

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY111219\
 Data File : VY000657.D
 Acq On : 12 Nov 2019 15:40
 Operator : SY/MD
 Sample : MDL05
 Misc : 5.00G/10ML/MSVOA Y/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Manual Integrations
 APPROVED

MMDadoda
 11/15/2019 3:07:10 PM

Quant Time: Nov 13 10:13:33 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
 Quant Title : VOC Analysis
 QLast Update : Wed Nov 13 03:17:49 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.70	114	360046	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.49	117	325908	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.42	152	153915	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.24	65	118249	23.25	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.00%
7) Chloroethane-d5	2.76	69	107435	23.78	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.12%
10) 1,1-Dichloroethene-d2	3.85	63	164222	17.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.96%
20) 2-Butanone-d5	6.90	46	100401	47.85	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	95.70%
24) Chloroform-d	7.49	84	211678	22.41	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.64%
26) 1,2-Dichloroethane-d4	8.15	65	127766	23.32	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	93.28%
29) Benzene-d6	8.12	84	449559	23.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.00%
33) 1,2-Dichloropropane-d6	9.13	67	136258	22.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	91.88%
37) Toluene-d8	10.18	98	405756	22.95	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.80%
38) trans-1,3-Dichloropropene-	10.44	79	62735	22.67	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	90.68%
39) 2-Hexanone-d5	10.79	63	75675	47.20	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	94.40%
48) 1,1,2,2-Tetrachloroethane-	12.56	84	129267	22.40	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	89.60%
61) 1,2-Dichlorobenzene-d4	13.72	152	141728	23.02	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	92.08%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.90	85	5862	1.232 ug/L	100
3) Chloromethane	2.11	50	7209	1.209 ug/L #	80
5) Vinyl chloride	2.25	62	7369	1.238 ug/L #	63
6) Bromomethane	2.66	94	3632	1.117 ug/L	65
8) Chloroethane	2.80	64	4396	1.178 ug/L #	75
9) Trichlorofluoromethane	3.13	101	9902m	1.175 ug/L	
11) 1,1,2-Trichloro-1,2,2-trif	3.89	101	6376m	1.333 ug/L	
12) 1,1-Dichloroethene	3.87	96	6080m	1.303 ug/L	
13) Acetone	3.96	43	6303	4.106 ug/L	81
14) Carbon disulfide	4.21	76	14309	0.993 ug/L #	94
15) Methyl Acetate	4.49	43	3869m	1.100 ug/L	
16) Methylene chloride	4.72	84	13239m	2.227 ug/L	
17) Methyl tert-butyl Ether	5.24	73	16017	1.128 ug/L #	62
18) trans-1,2-Dichloroethene	5.23	96	5774	1.108 ug/L	94
19) 1,1-Dichloroethane	6.02	63	10175	1.109 ug/L	95
21) 2-Butanone	7.00	43	8455	3.126 ug/L	84
22) cis-1,2-Dichloroethene	7.00	96	6372	1.105 ug/L	90

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

23) Bromochloromethane	7.35	128	2703	1.074	ug/L	79
25) Chloroform	7.52	83	17525	1.772	ug/L	98
27) 1,2-Dichloroethane	8.25	62	7678	1.162	ug/L #	87
30) Cyclohexane	7.79	56	10433	1.173	ug/L	97
31) 1,1,1-Trichloroethane	7.71	97	8657	1.078	ug/L	95
32) Carbon tetrachloride	7.91	117	7840m	1.120	ug/L	
34) Benzene	8.17	78	24629	1.156	ug/L	100
35) Trichloroethene	8.94	95	6905m	1.236	ug/L	
36) Methylcyclohexane	9.19	83	9901	1.035	ug/L	96
40) 1,2-Dichloropropane	9.22	63	5933	1.099	ug/L	98
41) Bromodichloromethane	9.50	83	7455	1.073	ug/L #	90
42) cis-1,3-Dichloropropene	9.93	75	9846	1.132	ug/L	98
43) 4-Methyl-2-pentanone	10.07	43	12811	2.481	ug/L	95
44) Toluene	10.25	91	26189	1.137	ug/L	98
45) trans-1,3-Dichloropropene	10.47	75	8119m	1.086	ug/L	
46) 1,1,2-Trichloroethane	10.65	97	5364	1.211	ug/L	94
47) Tetrachloroethene	10.72	164	5018	1.203	ug/L	95
49) 2-Hexanone	10.83	43	11112	2.763	ug/L	94
50) Dibromochloromethane	10.99	129	5027	1.005	ug/L	87
51) 1,2-Dibromoethane	11.09	107	4652	1.079	ug/L #	96
52) Chlorobenzene	11.52	112	16278	1.114	ug/L	99
53) Ethylbenzene	11.59	91	28023	1.075	ug/L	92
54) m,p-Xylene	11.70	106	10698	1.085	ug/L	85
55) o-xylene	12.03	106	10914	1.128	ug/L	95
56) Styrene	12.04	104	16031	0.997	ug/L	96
57) Isopropylbenzene	12.33	105	25778	1.024	ug/L #	97
58) 1,1,1,2,2-Tetrachloroethane	12.58	83	6898	1.248	ug/L #	90
59) 1,2,3-Trichloropropane	12.63	75	5176	1.152	ug/L	100
62) Bromoform	12.20	173	2981	1.020	ug/L #	91
63) 1,3-Dichlorobenzene	13.36	146	11702	1.066	ug/L	99
64) 1,4-Dichlorobenzene	13.44	146	12830	1.169	ug/L	95
65) 1,2-Dichlorobenzene	13.74	146	11580	1.139	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.36	75	1289	1.334	ug/L #	79
67) 1,3,5-Trichlorobenzene	14.50	180	9135	1.194	ug/L	94
68) 1,2,4-trichlorobenzene	15.01	180	7520	1.099	ug/L	95
69) Naphthalene	15.23	128	18339	1.076	ug/L	98
70) 1,2,3-Trichlorobenzene	15.42	180	7292	1.146	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

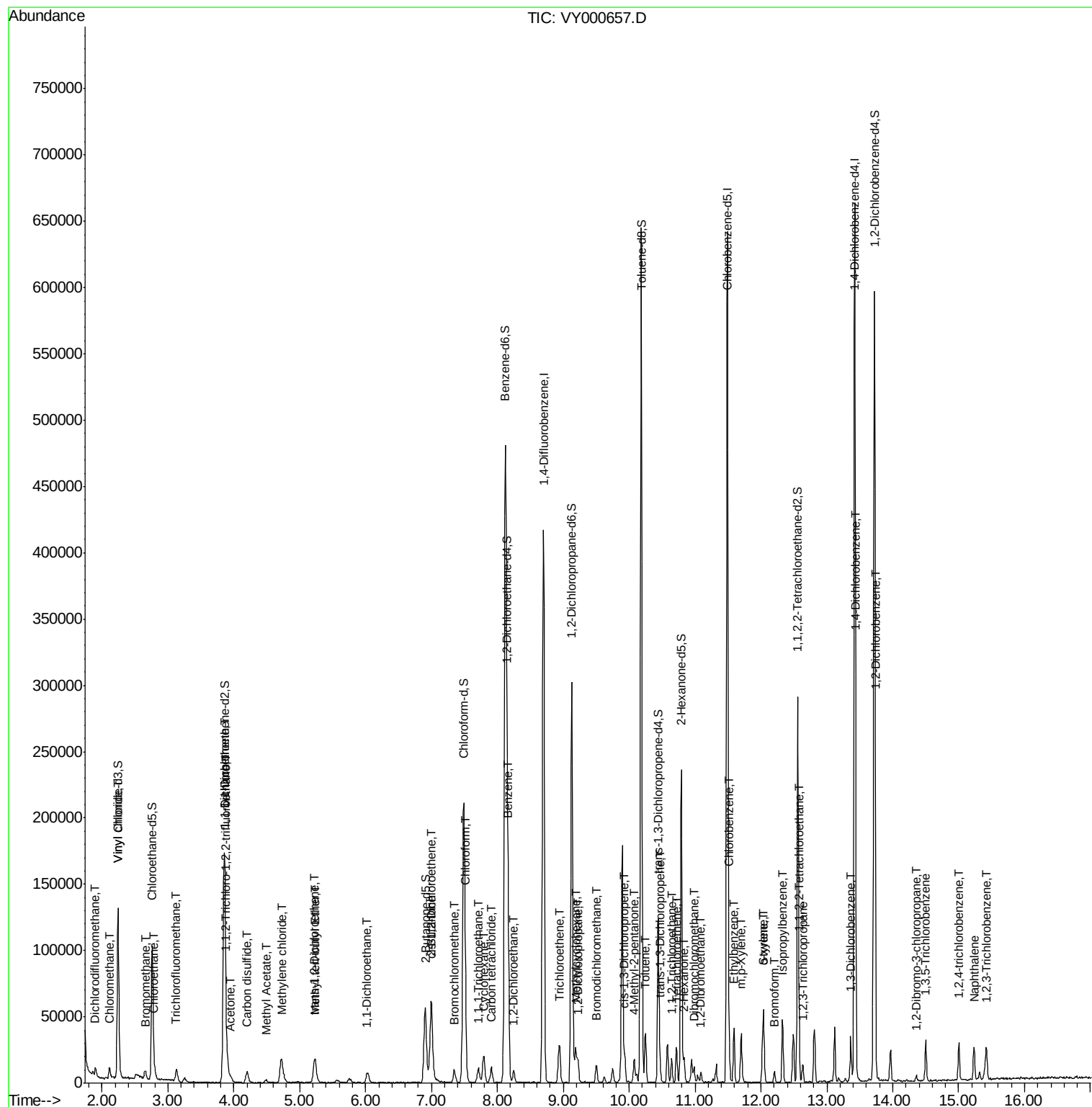
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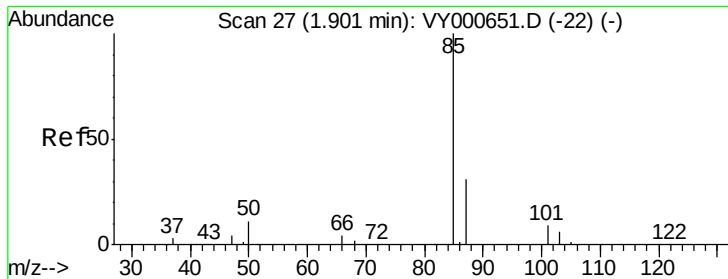
Instrument :
MSVOA_Y
ClientSampleId :
MDL05

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#2

Dichlorodifluoromethane

Concen: 1.232 ug/L

RT: 1.90 min Scan# 27

Delta R.T. 0.00 min

Lab File: VY000657.D

Acq: 12 Nov 2019 15:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

Tot Ion: 85 Resp: 5862

Ion Ratio Lower Upper

85 100

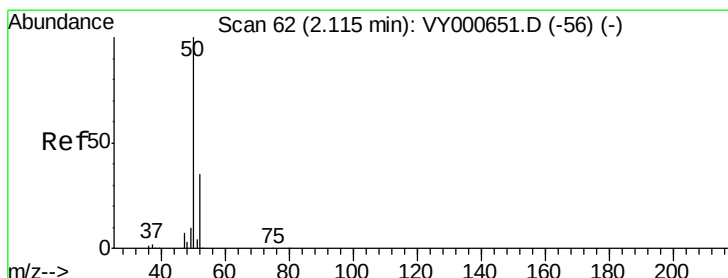
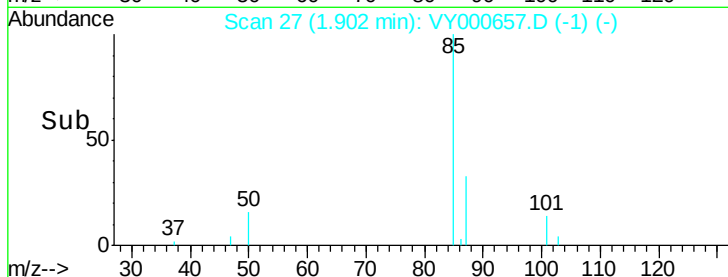
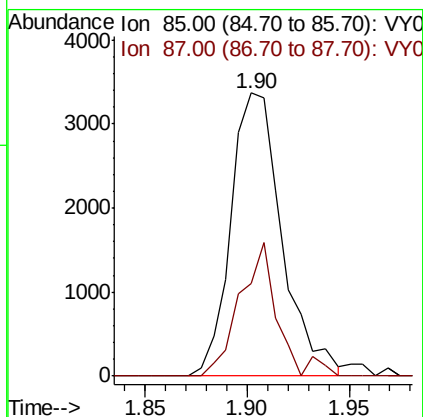
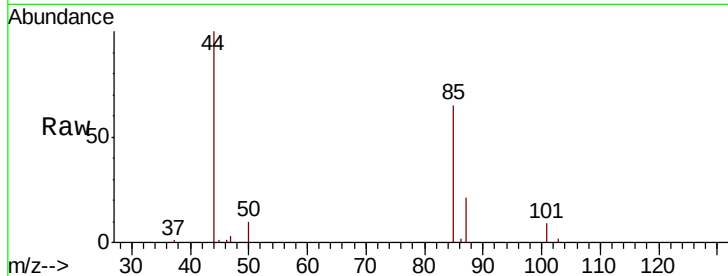
87 32.4 22.7 42.1

Manual Integrations

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#3

Chloromethane

Concen: 1.209 ug/L

RT: 2.11 min Scan# 61

Delta R.T. -0.01 min

Lab File: VY000657.D

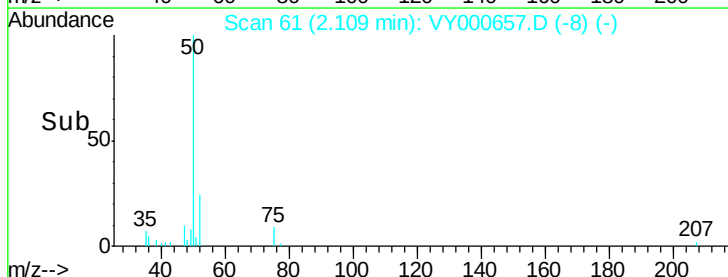
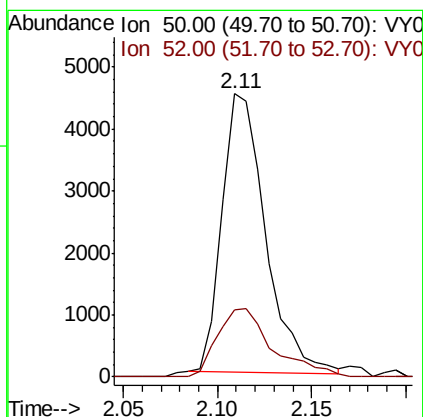
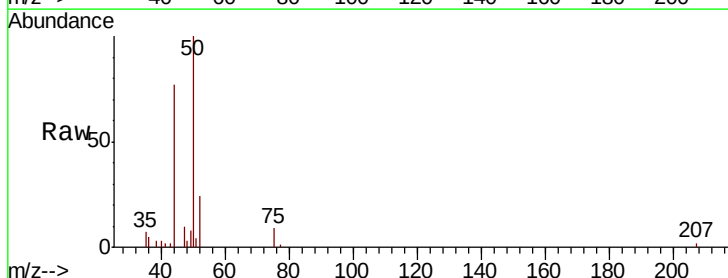
Acq: 12 Nov 2019 15:40

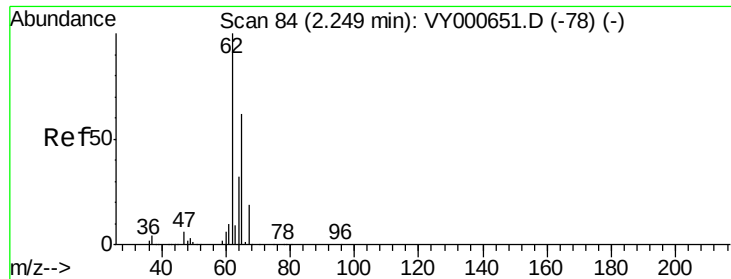
Tgt Ion: 50 Resp: 7209

Ion Ratio Lower Upper

50 100

52 23.8 24.9 46.3#





#5

Vinyl chloride

Concen: 1.238 ug/L

RT: 2.25 min Scan# 84

Delta R.T. 0.00 min

Lab File: VY000657.D

Acq: 12 Nov 2019 15:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

Tot Ion: 62 Resp: 7369

Ion Ratio Lower Upper

62 100

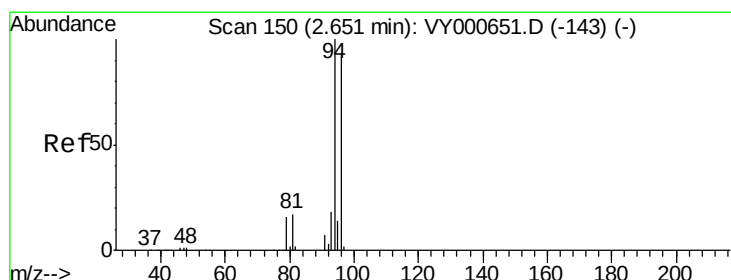
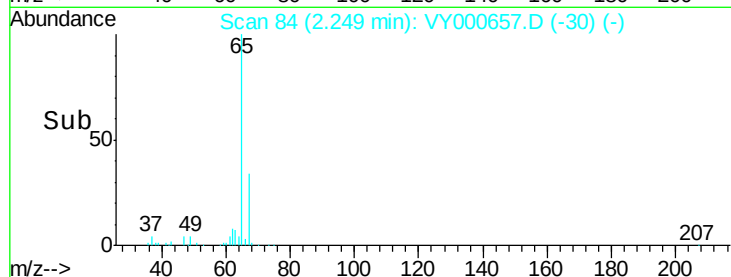
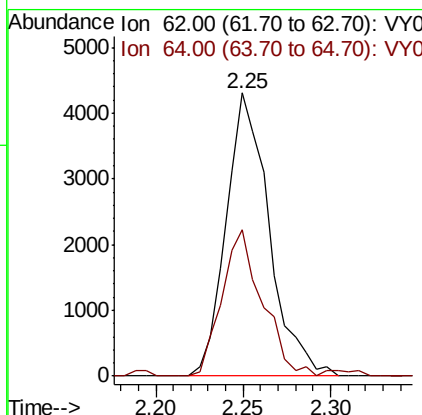
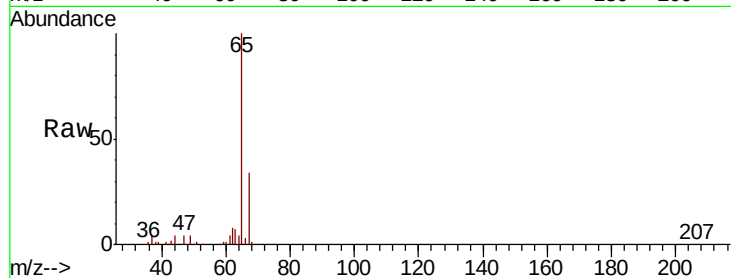
64 51.7 22.0 40.8#

Manual Integrations

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#6

Bromomethane

Concen: 1.117 ug/L

RT: 2.66 min Scan# 151

Delta R.T. 0.01 min

Lab File: VY000657.D

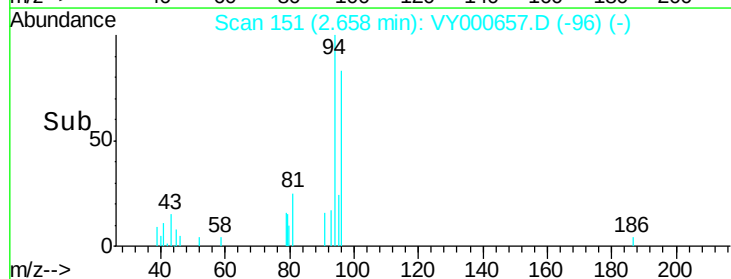
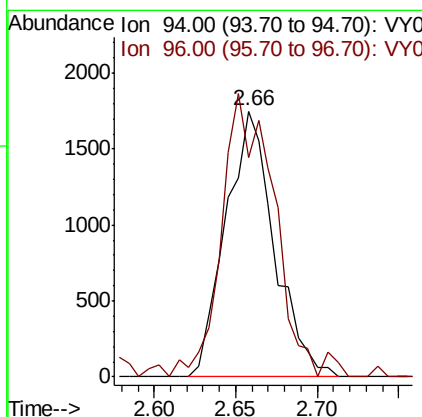
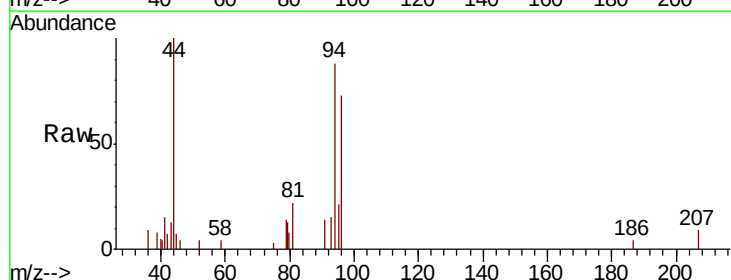
Acq: 12 Nov 2019 15:40

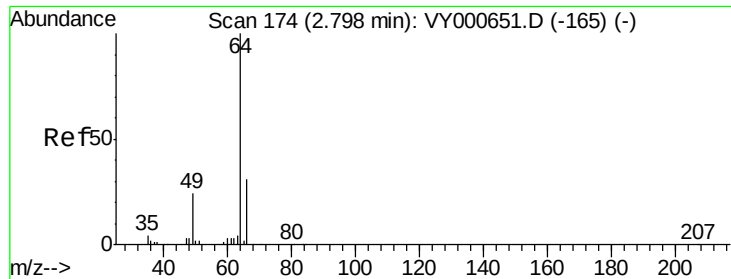
Tgt Ion: 94 Resp: 3632

Ion Ratio Lower Upper

94 100

96 62.7 9.8 185.6





#8

Chloroethane

Concen: 1.178 ug/L

RT: 2.80 min Scan# 174

Delta R.T. 0.00 min

Lab File: VY000657.D

Acq: 12 Nov 2019 15:40

Instrument :

MSVOA_Y

ClientSampled :

MDL05

Tot Ion: 64 Resp: 4396

Ion Ratio Lower Upper

64 100

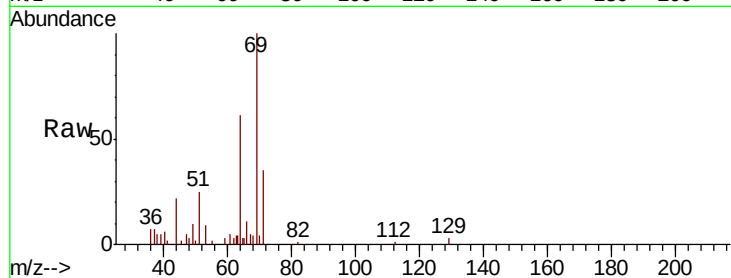
66 17.8 22.2 41.2#

Manual Integrations

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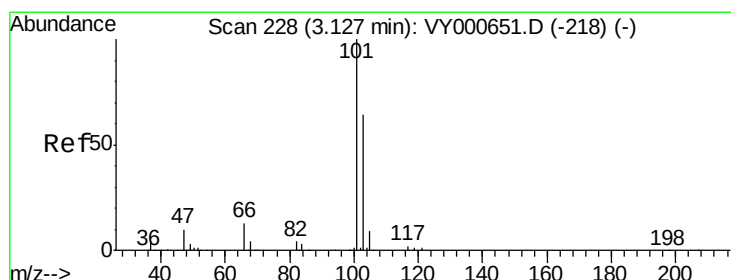
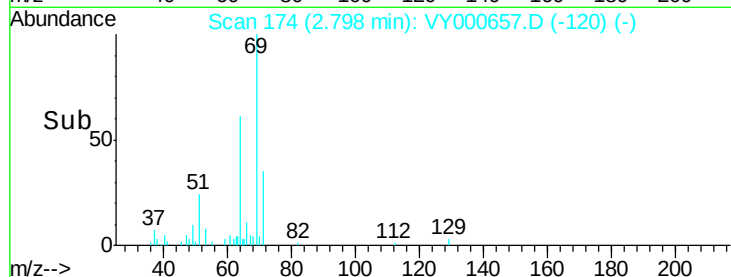
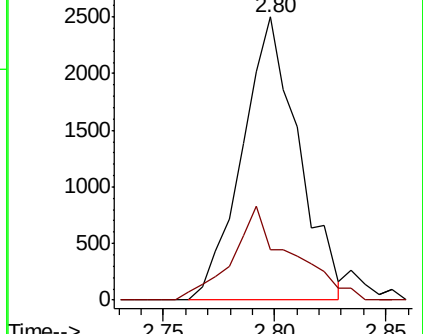
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Abundance Ion 64.00 (63.70 to 64.70): VY000657.D (-174) (-)

Ion 66.00 (65.70 to 66.70): VY000657.D (-174) (-)



#9

Trichlorofluoromethane

Concen: 1.175 ug/L m

RT: 3.13 min Scan# 228

Delta R.T. 0.00 min

Lab File: VY000657.D

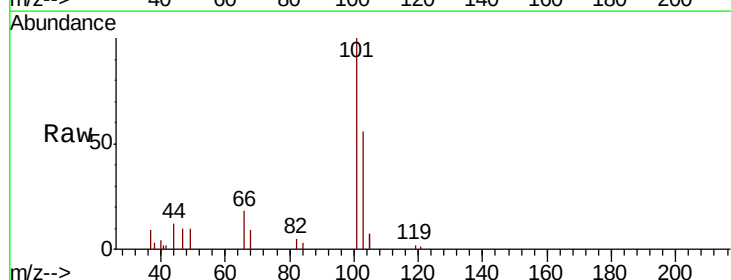
Acq: 12 Nov 2019 15:40

Tgt Ion: 101 Resp: 9902

Ion Ratio Lower Upper

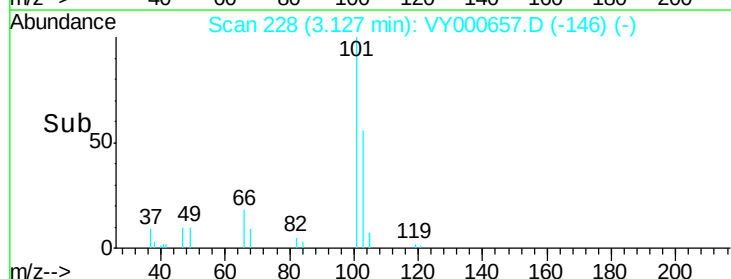
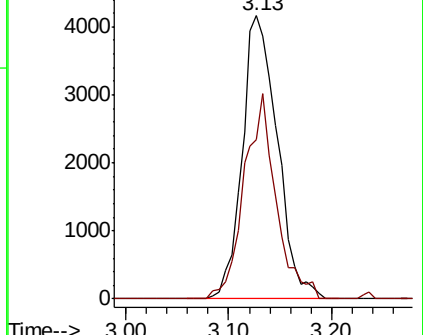
101 100

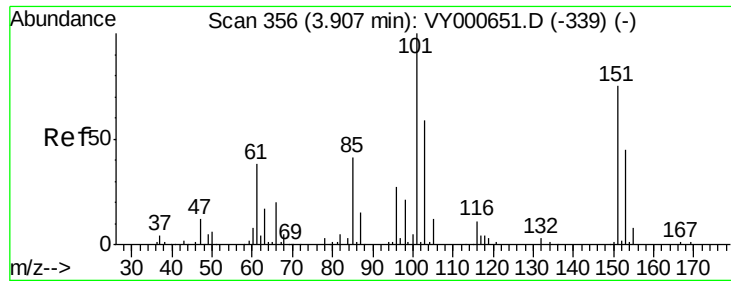
103 64.9 45.8 85.0



Abundance Ion 101.00 (100.70 to 101.70): VY000657.D (-228) (-)

Ion 103.00 (102.70 to 103.70): VY000657.D (-228) (-)





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.333 ug/L m

RT: 3.89 min Scan# 353

Delta R.T. -0.02 min

Lab File: VY000657.D

Acq: 12 Nov 2019 15:40

Instrument :

MSVOA_Y

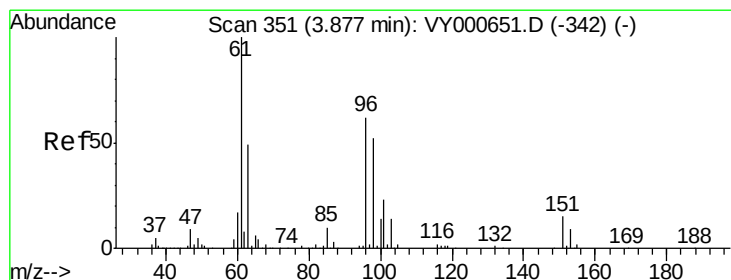
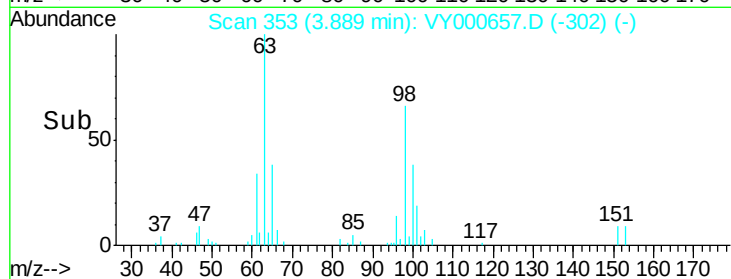
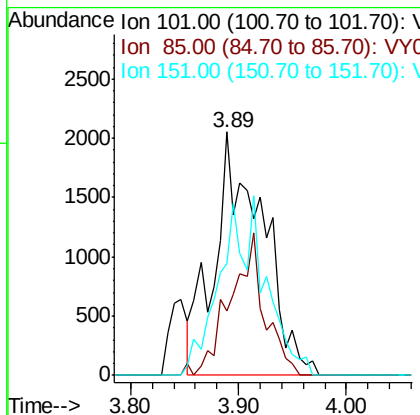
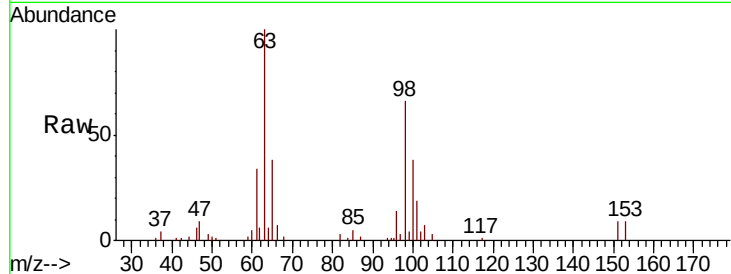
ClientSampled :

MDL05

Tot Ion:	101	Resp:	6376
Ion Ratio	Lower	Upper	
101	100		
85	31.7	35.3	52.9#
151	5.4	61.9	92.9#

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#12

1,1-Dichloroethene

Concen: 1.303 ug/L m

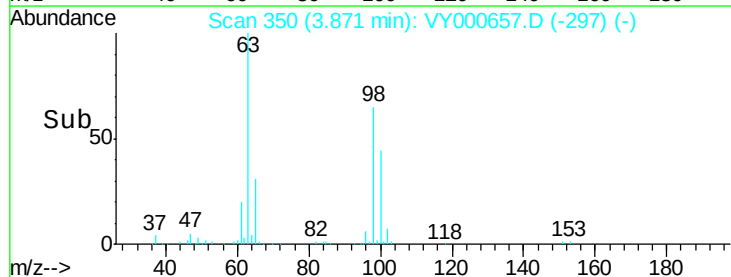
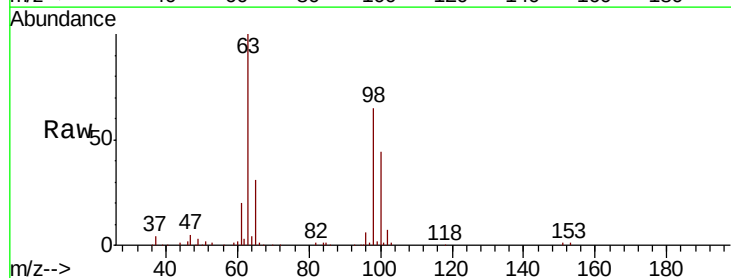
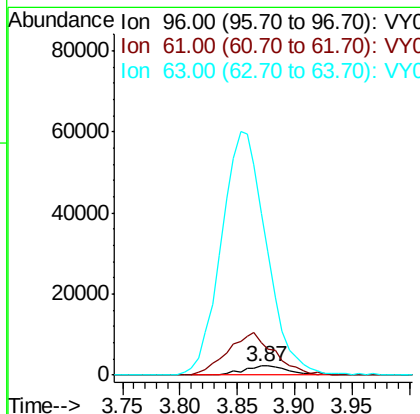
RT: 3.87 min Scan# 350

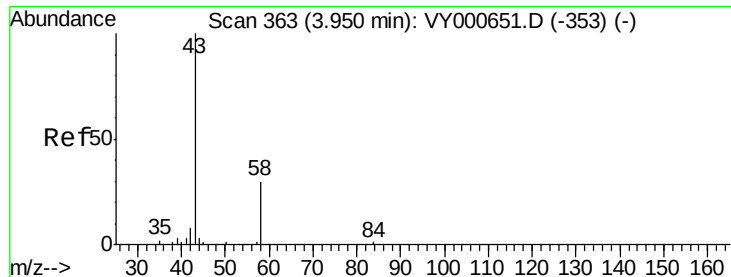
Delta R.T. -0.01 min

Lab File: VY000657.D

Acq: 12 Nov 2019 15:40

Tgt Ion:	96	Resp:	6080
Ion Ratio	Lower	Upper	
96	100		
61	341.3	113.5	210.9#
63	1742.7	94.3	175.1#





#13

Acetone

Concen: 4.106 ug/L

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VY000657.D

Acq: 12 Nov 2019 15:40

Instrument :

MSVOA_Y

ClientSampled :

MDL05

Tot Ion: 43 Resp: 6303

Ion Ratio Lower Upper

43 100

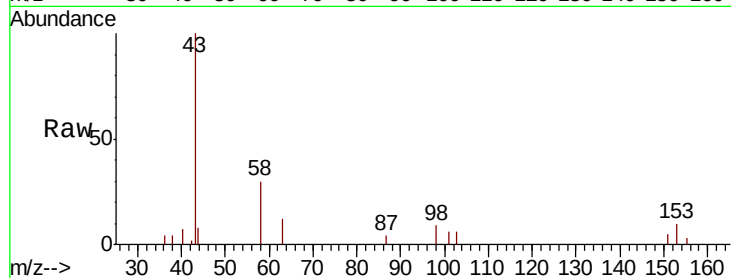
58 21.9 0.0 64.8

Manual Integrations

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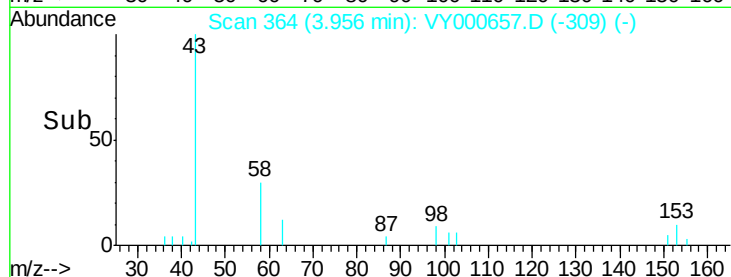
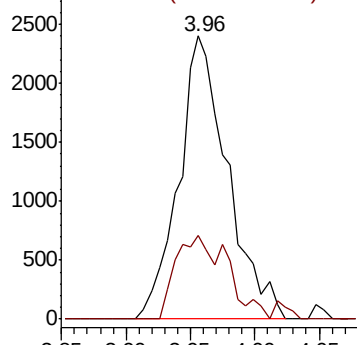
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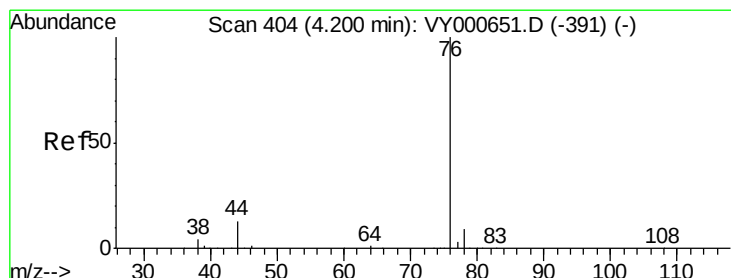


Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0



Time--> 3.85 3.90 3.95 4.00 4.05



#14

Carbon disulfide

Concen: 0.993 ug/L

RT: 4.21 min Scan# 405

Delta R.T. 0.01 min

Lab File: VY000657.D

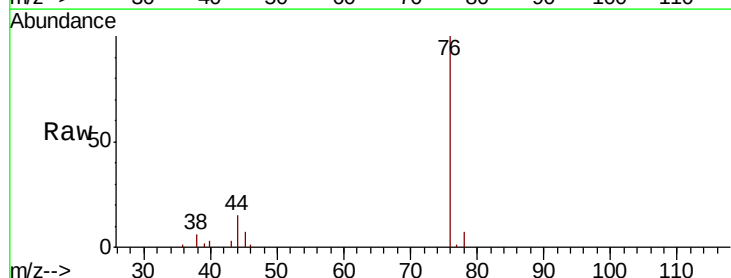
Acq: 12 Nov 2019 15:40

Tgt Ion: 76 Resp: 14309

Ion Ratio Lower Upper

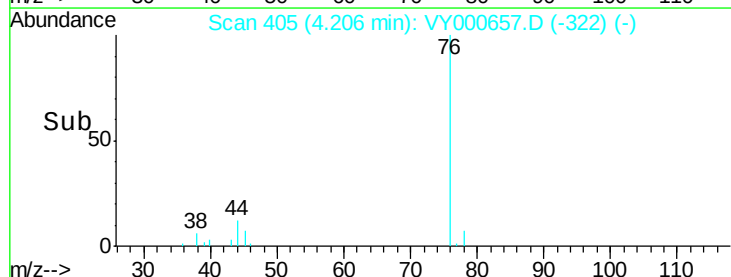
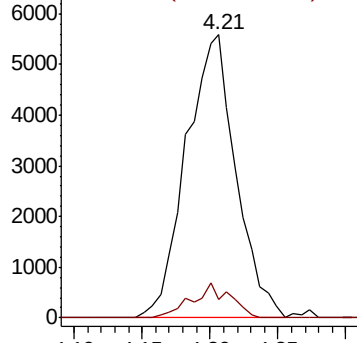
76 100

78 6.6 7.0 10.6#

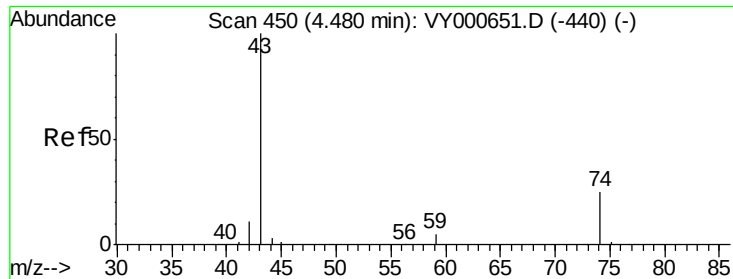


Abundance Ion 76.00 (75.70 to 76.70): VY0

Ion 78.00 (77.70 to 78.70): VY0



Time--> 4.10 4.15 4.20 4.25



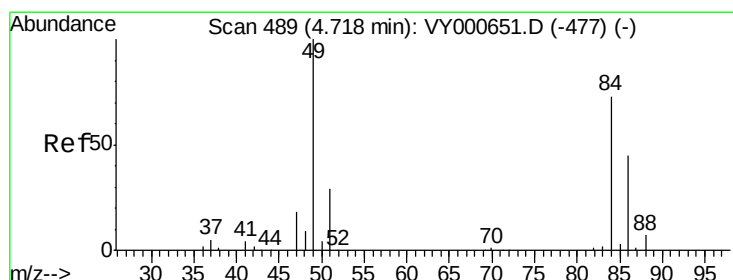
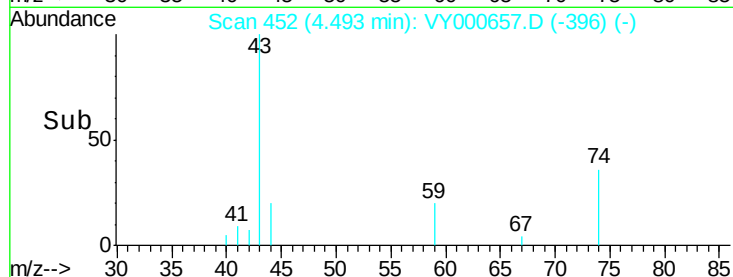
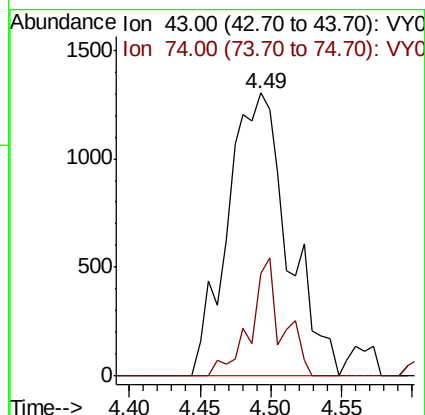
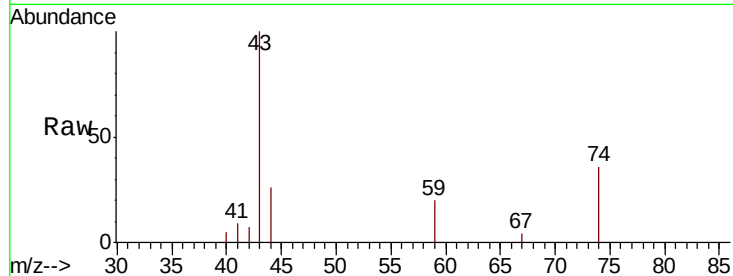
#15
Methyl Acetate
Concen: 1.100 ug/L m
RT: 4.49 min Scan# 452
Delta R.T. 0.01 min
Lab File: VY000657.D
Acq: 12 Nov 2019 15:40

Instrument :
MSVOA_Y
ClientSampleID :
MDL05

Tot Ion: 43 Resp: 3869
Ion Ratio Lower Upper
43 100
74 15.2 18.1 27.1#

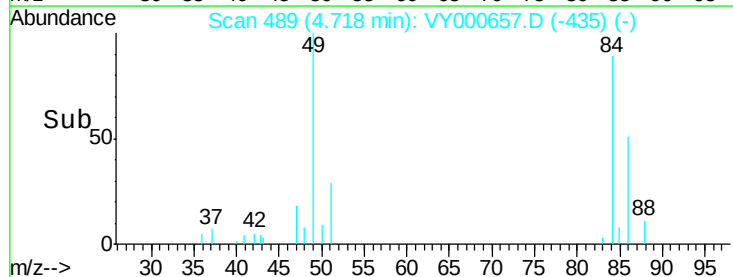
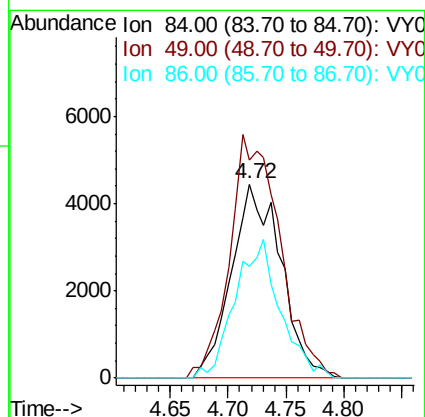
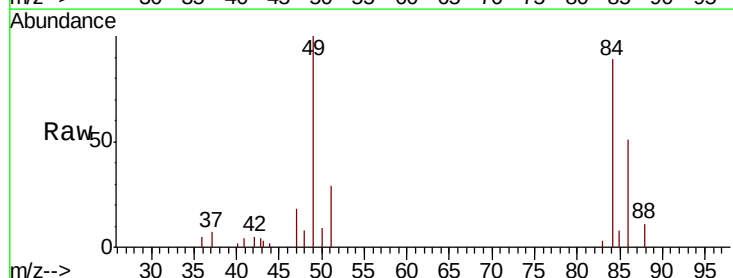
Manual Integrations
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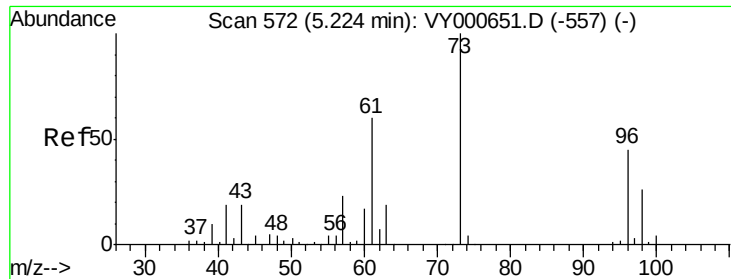
MMDadoda
11/15/2019 3:07:10 PM



#16
Methylene chloride
Concen: 2.227 ug/L m
RT: 4.72 min Scan# 489
Delta R.T. 0.00 min
Lab File: VY000657.D
Acq: 12 Nov 2019 15:40

Tgt Ion: 84 Resp: 13239
Ion Ratio Lower Upper
84 100
49 112.4 88.8 165.0
86 57.7 43.9 81.5





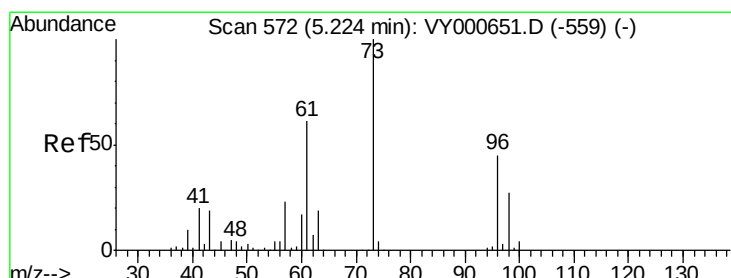
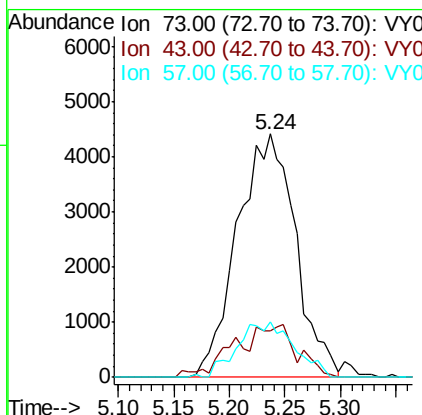
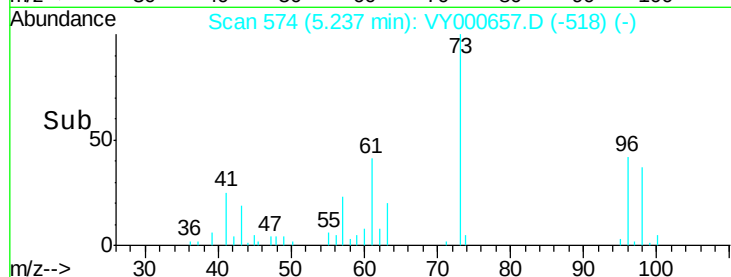
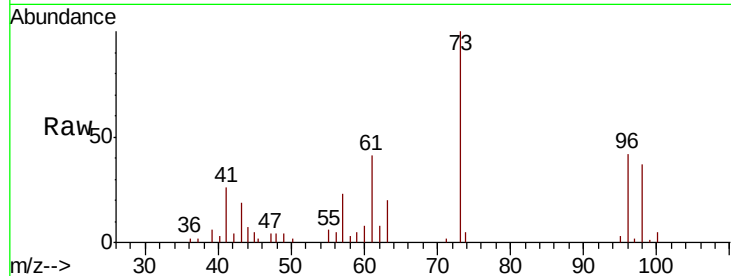
#17
Methyl tert-butyl Ether
Concen: 1.128 ug/L
RT: 5.24 min Scan# 574
Delta R.T. 0.01 min
Lab File: VY000657.D
Acq: 12 Nov 2019 15:40

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
73	100		
43	6.2	15.4	23.0#
57	0.0	17.5	26.3#

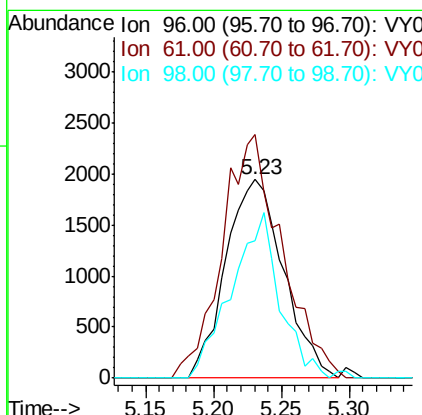
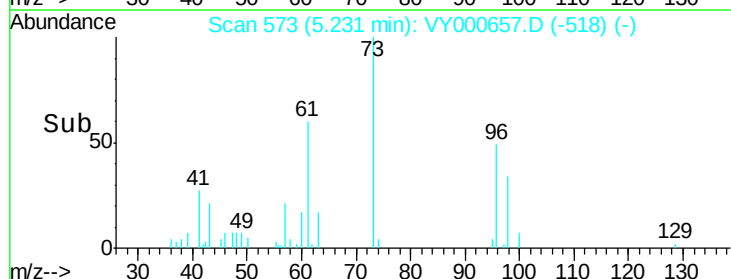
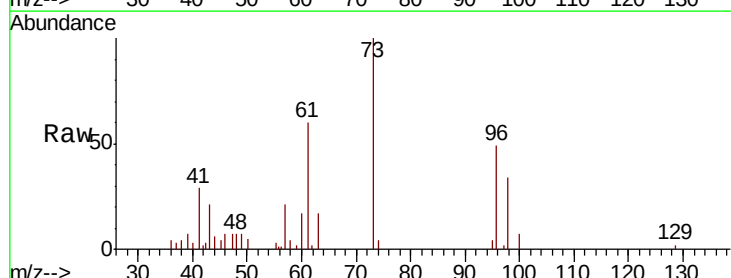
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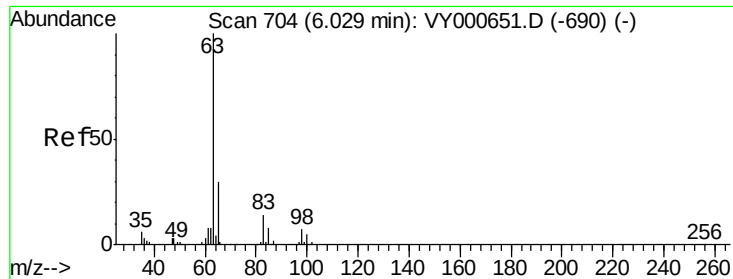
MMDadoda
11/15/2019 3:07:10 PM



#18
trans-1,2-Dichloroethene
Concen: 1.108 ug/L
RT: 5.23 min Scan# 573
Delta R.T. 0.01 min
Lab File: VY000657.D
Acq: 12 Nov 2019 15:40

Tgt Ion	Ratio	Lower	Upper
96	100		
61	122.5	91.8	170.4
98	69.2	46.3	85.9





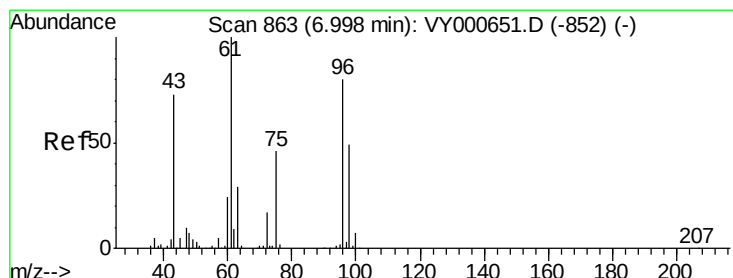
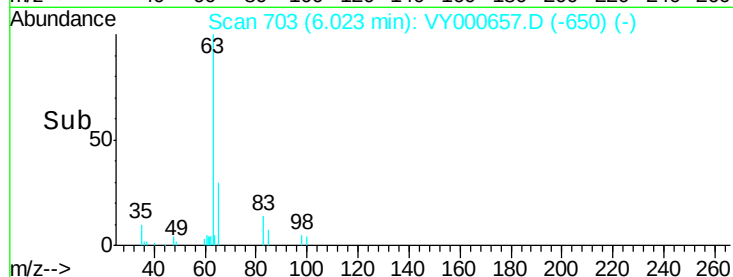
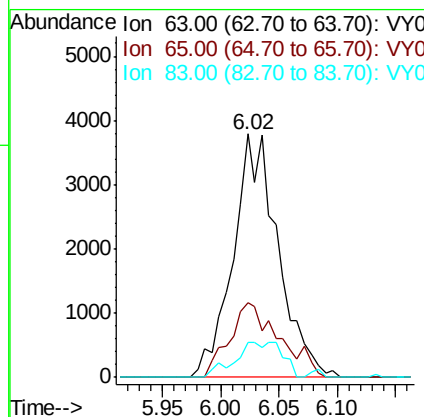
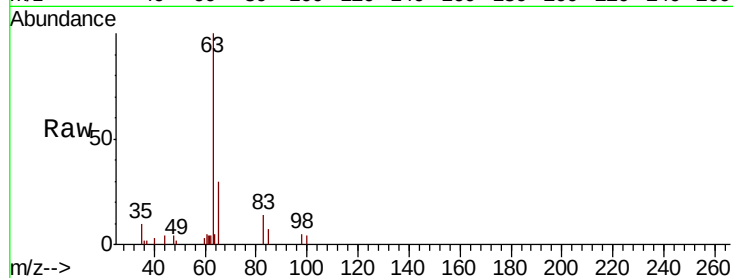
#19
 1,1-Dichloroethane
 Concen: 1.109 ug/L
 RT: 6.02 min Scan# 703
 Delta R.T. -0.01 min
 Lab File: VY000657.D
 Acq: 12 Nov 2019 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
63	100		
65	30.5	23.9	44.5
83	14.4	10.1	18.9

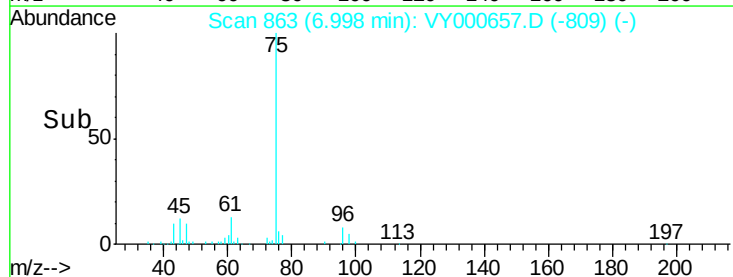
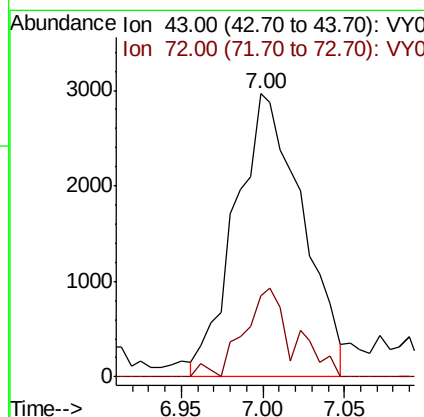
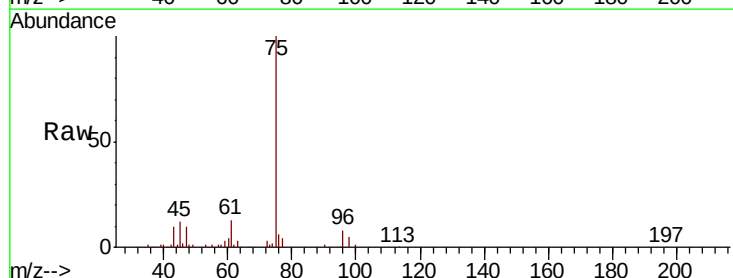
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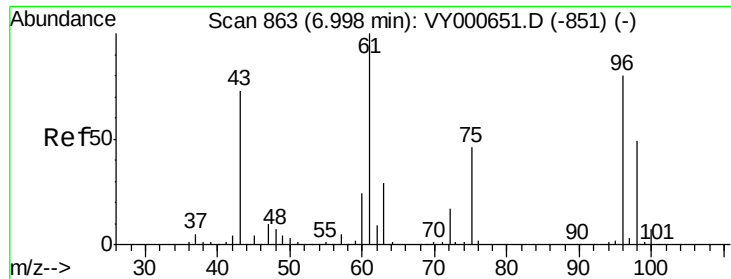
MMDadoda
 11/15/2019 3:07:10 PM



#21
 2-Butanone
 Concen: 3.126 ug/L
 RT: 7.00 min Scan# 863
 Delta R.T. 0.00 min
 Lab File: VY000657.D
 Acq: 12 Nov 2019 15:40

Tgt Ion	Ratio	Lower	Upper
43	100		
72	17.3	12.6	37.8





#22

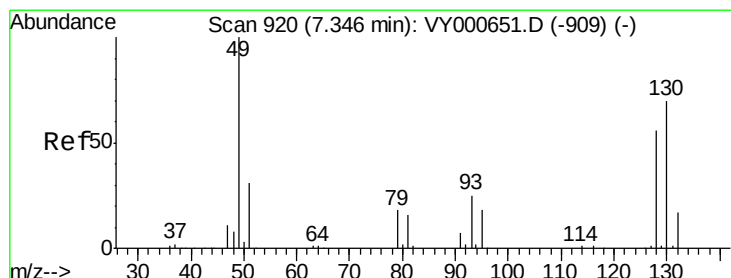
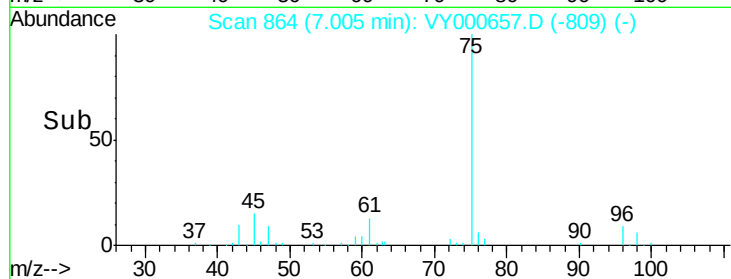
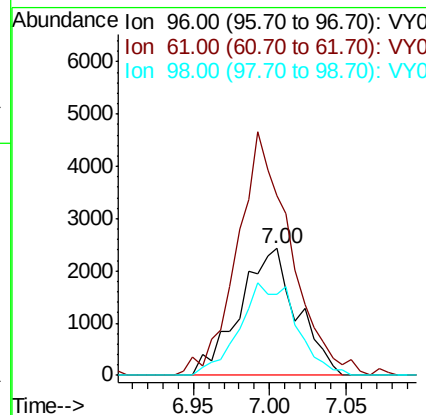
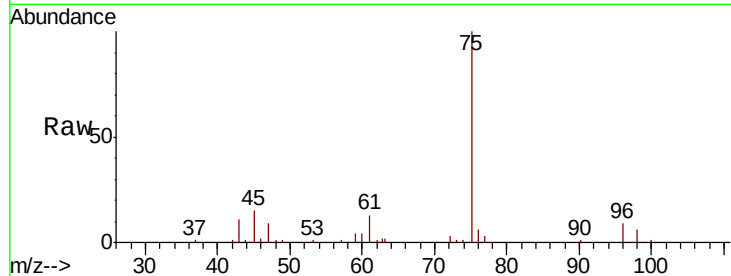
cis-1,2-Dichloroethene
Concen: 1.105 ug/L
RT: 7.00 min Scan# 864
Delta R.T. 0.01 min
Lab File: VY000657.D
Acq: 12 Nov 2019 15:40

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.7	86.8	161.2
98	63.9	44.6	82.8

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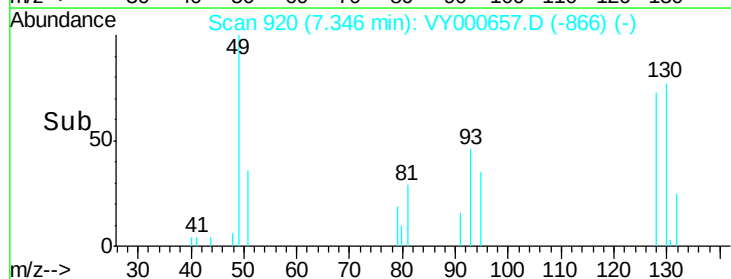
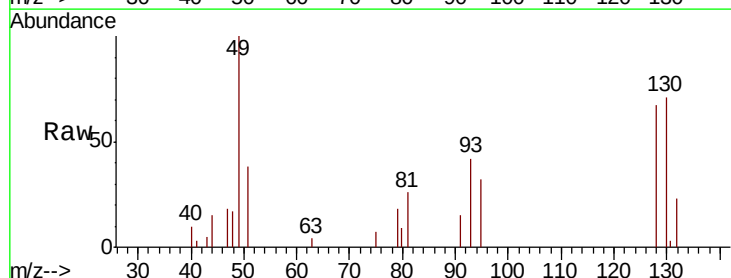
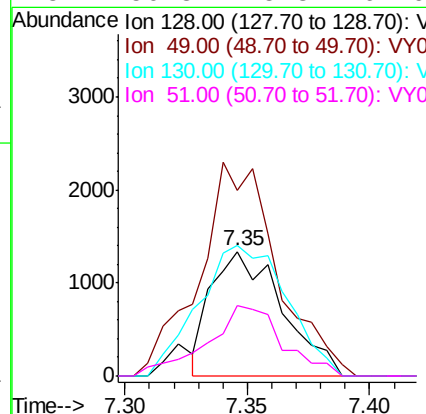
MMDadoda
11/15/2019 3:07:10 PM

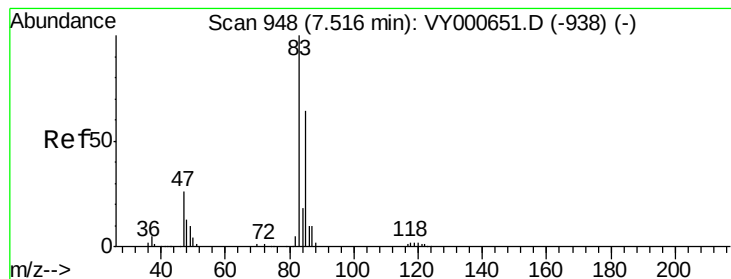


#23

Bromochloromethane
Concen: 1.074 ug/L
RT: 7.35 min Scan# 920
Delta R.T. 0.00 min
Lab File: VY000657.D
Acq: 12 Nov 2019 15:40

Tgt Ion	Ratio	Lower	Upper
128	100		
49	149.1	131.5	244.3
130	110.4	96.7	179.5
51	56.3	45.3	67.9





#25

Chloroform

Concen: 1.772 ug/L

RT: 7.52 min Scan# 948

Delta R.T. 0.00 min

Lab File: VY000657.D

Acq: 12 Nov 2019 15:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

Tot Ion: 83 Resp: 17525

Ion Ratio Lower Upper

83 100

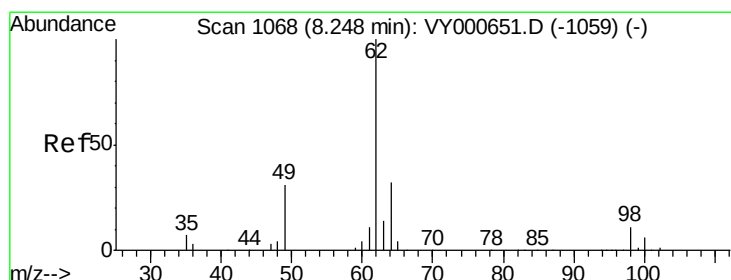
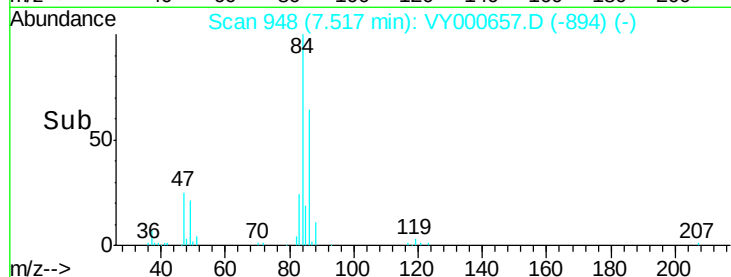
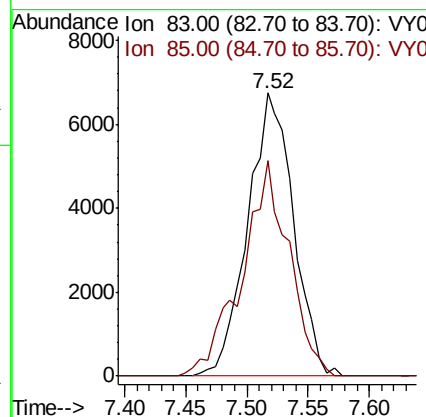
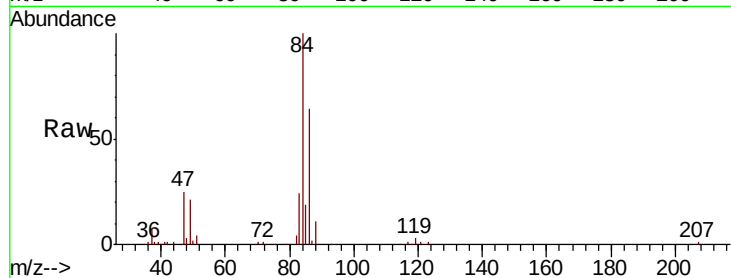
85 63.3 45.6 84.6

Manual Integrations

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#27

1,2-Dichloroethane

Concen: 1.162 ug/L

RT: 8.25 min Scan# 1068

Delta R.T. 0.00 min

Lab File: VY000657.D

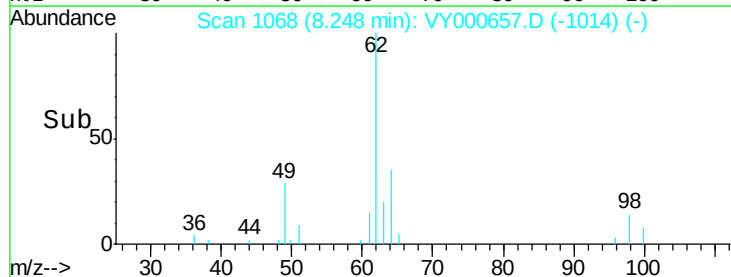
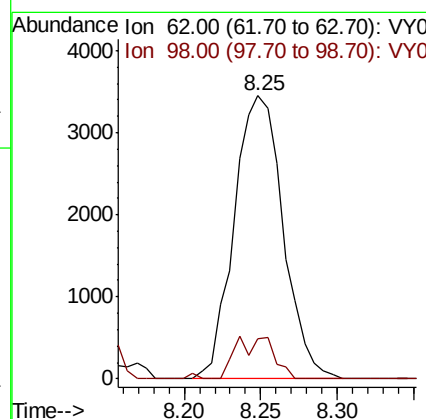
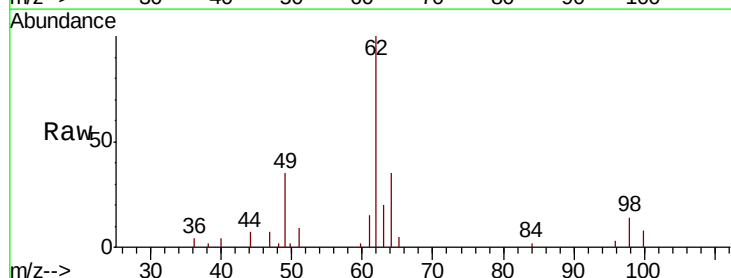
Acq: 12 Nov 2019 15:40

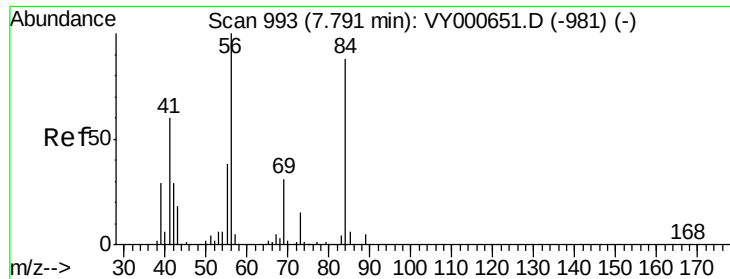
Tgt Ion: 62 Resp: 7678

Ion Ratio Lower Upper

62 100

98 14.1 7.5 11.3#





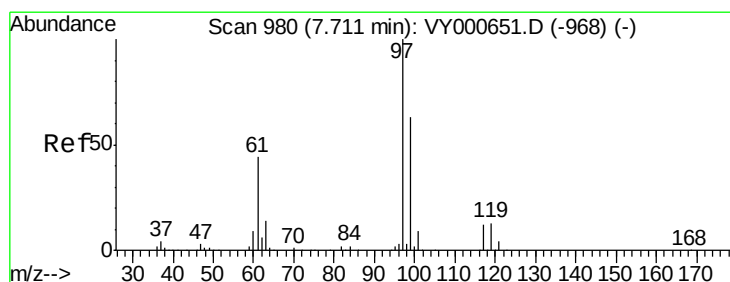
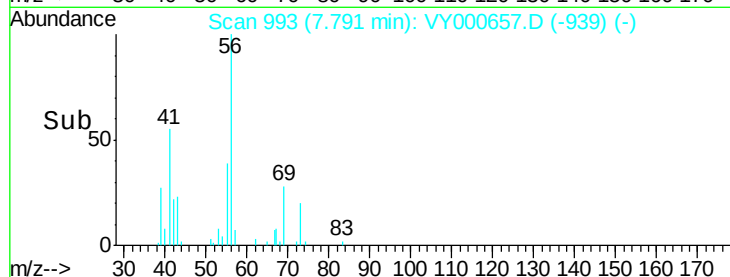
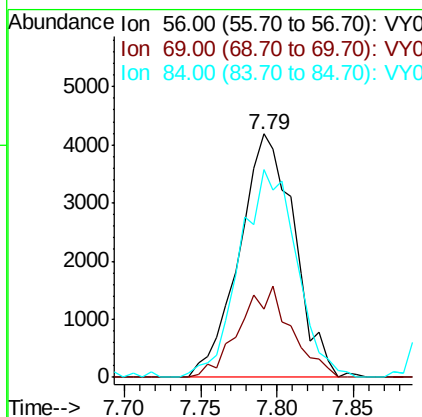
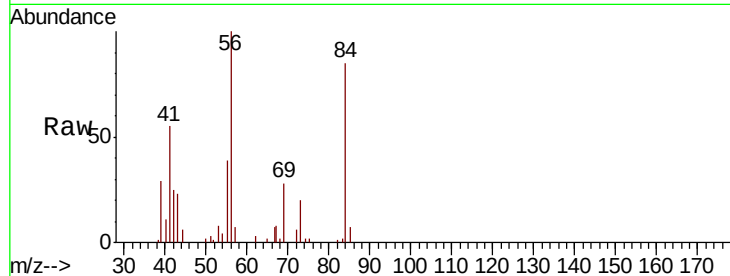
#30
Cyclohexane
Concen: 1.173 ug/L
RT: 7.79 min Scan# 993
Delta R.T. 0.00 min
Lab File: VY000657.D
Acq: 12 Nov 2019 15:40

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion	Ratio	Lower	Upper
56	100		
69	35.1	24.1	36.1
84	88.5	70.2	105.4

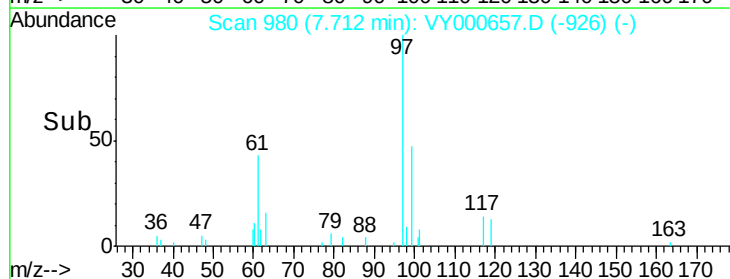
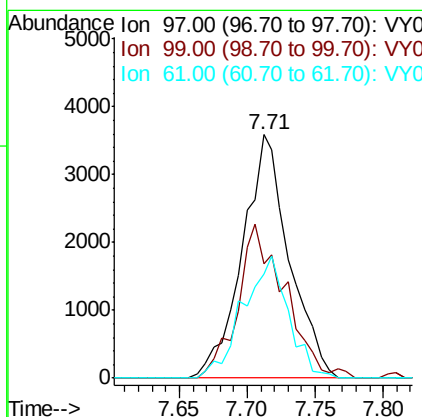
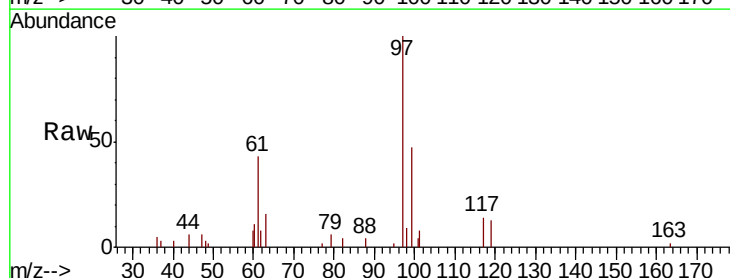
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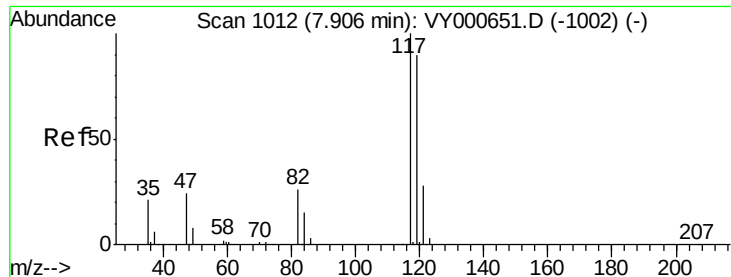
MMDadoda
11/15/2019 3:07:10 PM



#31
1,1,1-Trichloroethane
Concen: 1.078 ug/L
RT: 7.71 min Scan# 980
Delta R.T. 0.00 min
Lab File: VY000657.D
Acq: 12 Nov 2019 15:40

Tgt Ion	Ratio	Lower	Upper
97	100		
99	62.3	51.4	77.0
61	48.4	34.7	52.1





#32

Carbon tetrachloride

Concen: 1.120 ug/L m

RT: 7.91 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VY000657.D

Acq: 12 Nov 2019 15:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

Tot Ion:117 Resp: 7840

Ion Ratio Lower Upper

117 100

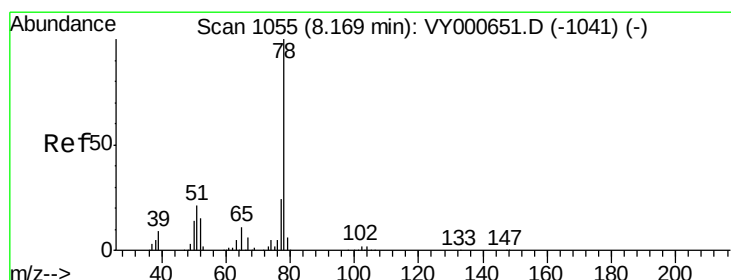
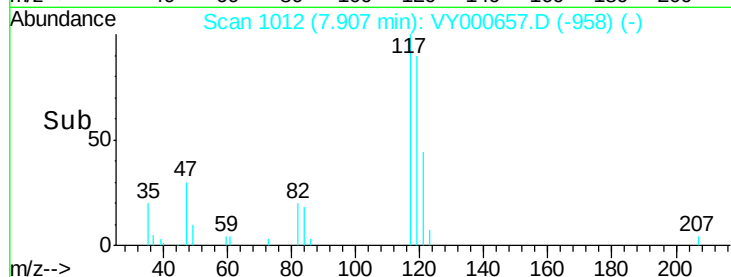
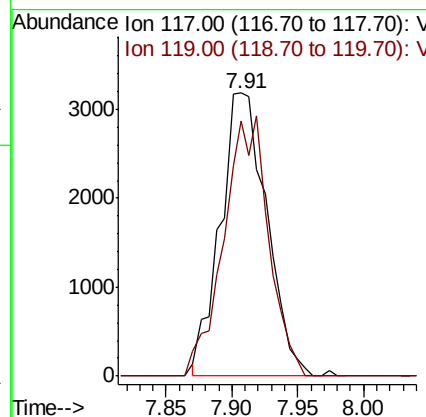
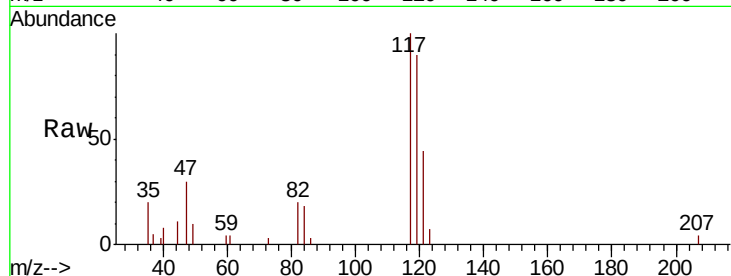
119 7.8 76.2 114.2#

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#34

Benzene

Concen: 1.156 ug/L

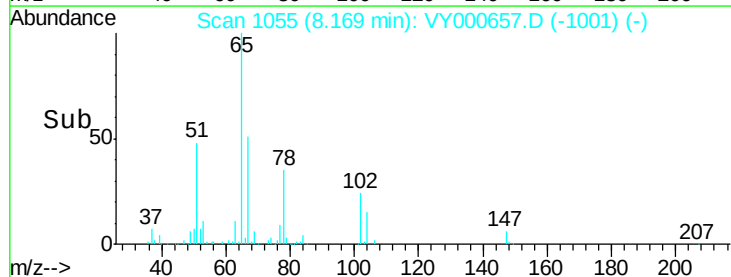
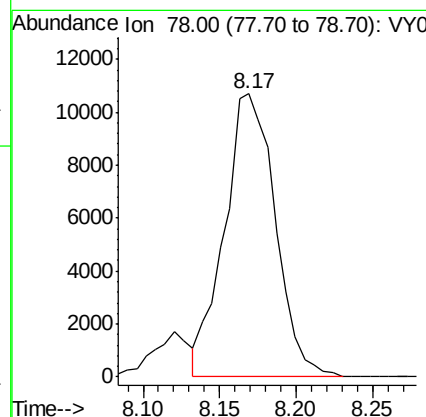
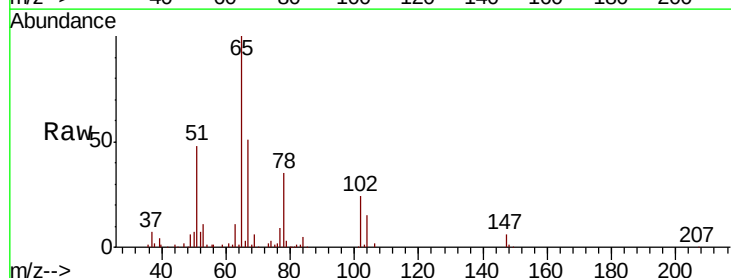
RT: 8.17 min Scan# 1055

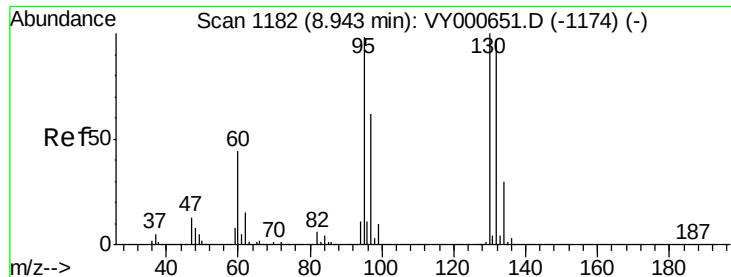
Delta R.T. 0.00 min

Lab File: VY000657.D

Acq: 12 Nov 2019 15:40

Tgt Ion: 78 Resp: 24629





#35

Trichloroethene

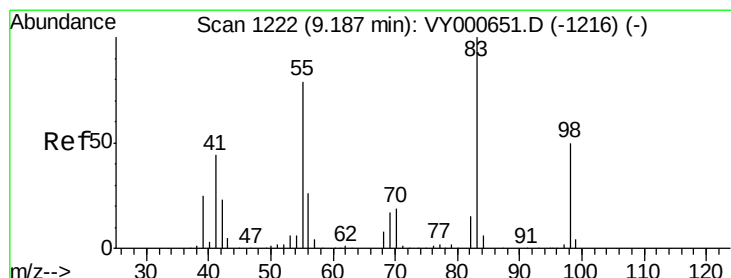
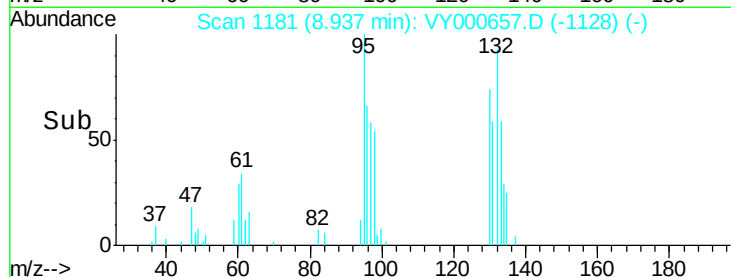
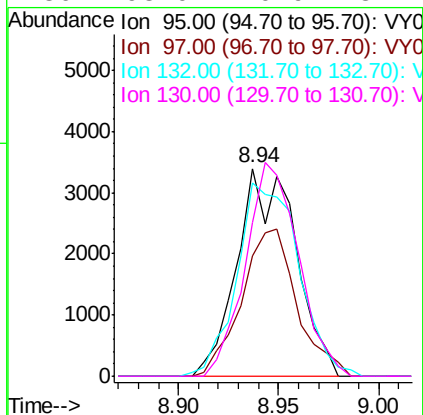
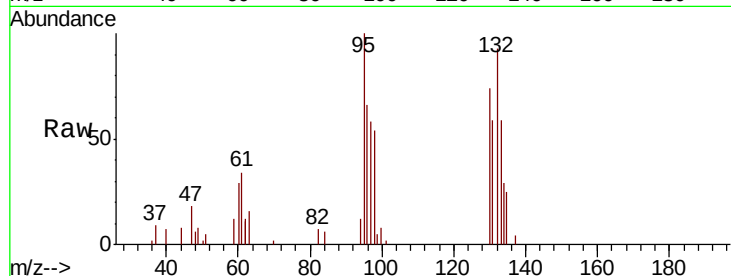
Concen: 1.236 ug/L m
RT: 8.94 min Scan# 1181
Delta R.T. -0.01 min
Lab File: VY000657.D
Acq: 12 Nov 2019 15:40

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion	95	Resp:	6905
Ion	Ratio	Lower	Upper
95	100		
97	67.0	44.4	82.4
132	0.0	66.8	124.0#
130	93.0	70.9	131.7

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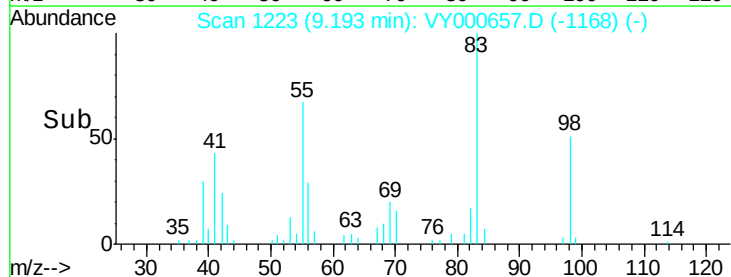
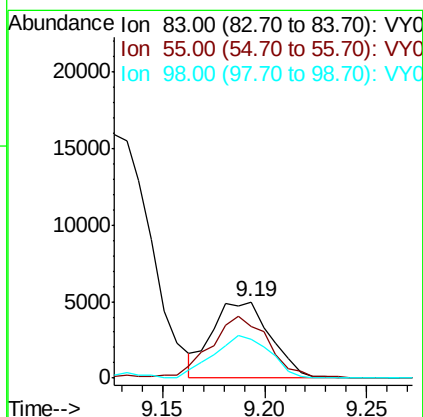
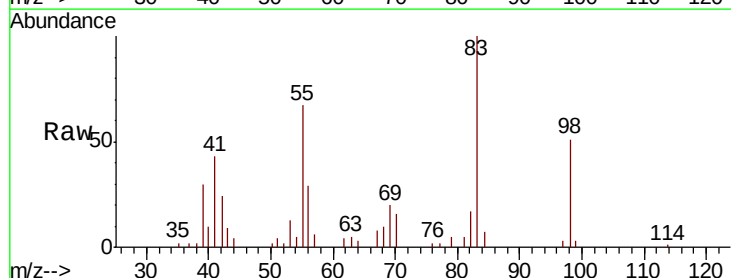


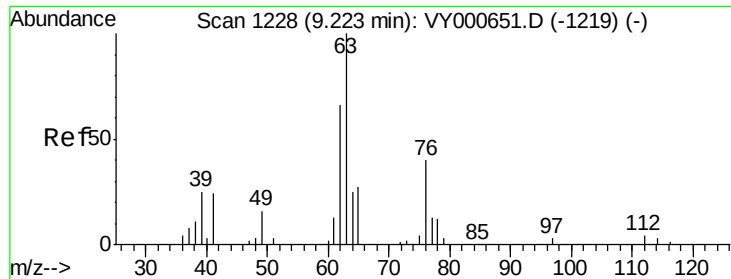
#36

Methylcyclohexane

Concen: 1.035 ug/L
RT: 9.19 min Scan# 1223
Delta R.T. 0.01 min
Lab File: VY000657.D
Acq: 12 Nov 2019 15:40

Tgt Ion	83	Resp:	9901
Ion	Ratio	Lower	Upper
83	100		
55	78.3	60.0	90.0
98	53.9	40.2	60.2





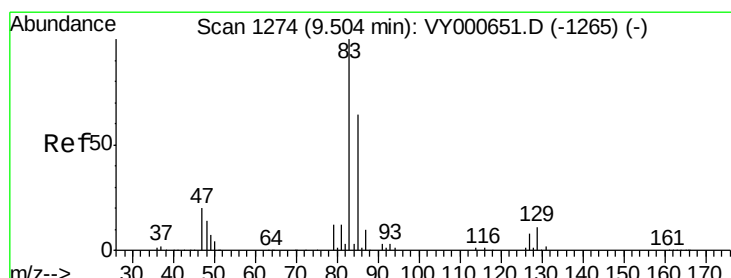
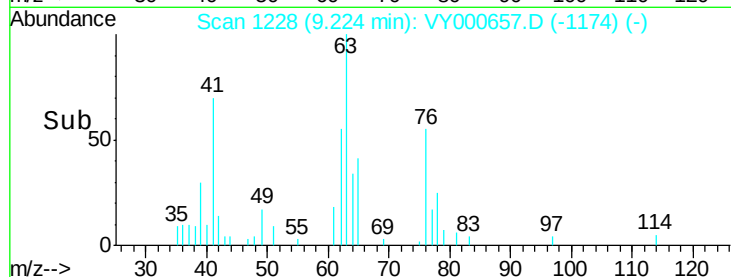
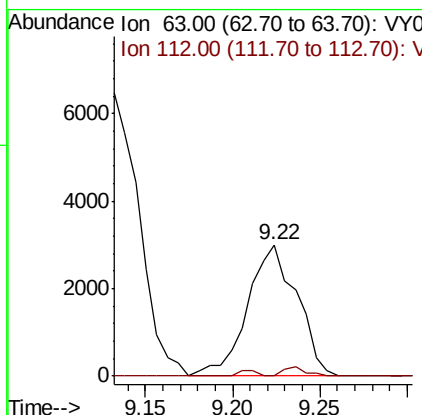
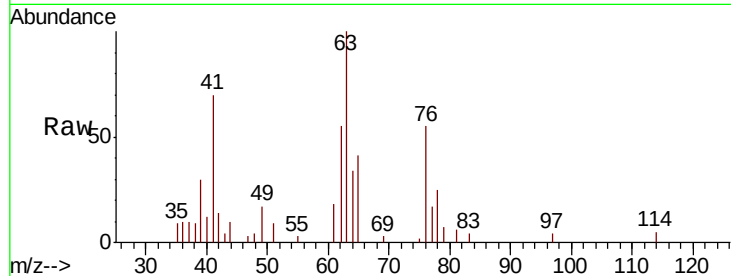
#40
 1,2-Dichloropropane
 Concen: 1.099 ug/L
 RT: 9.22 min Scan# 1228
 Delta R.T. 0.00 min
 Lab File: VY000657.D
 Acq: 12 Nov 2019 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Tot Ion: 63 Resp: 5933
 Ion Ratio Lower Upper
 63 100
 112 3.2 3.2 4.8

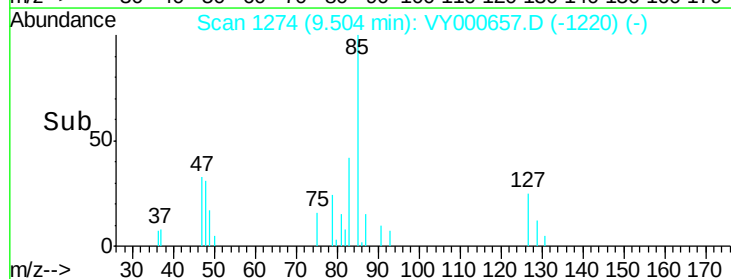
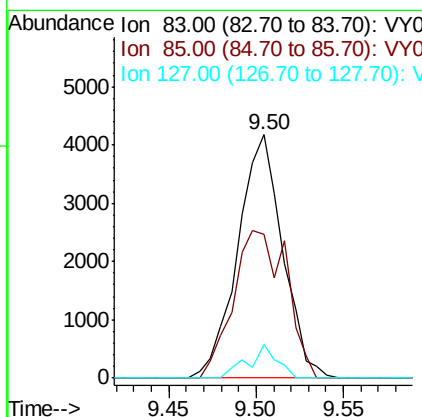
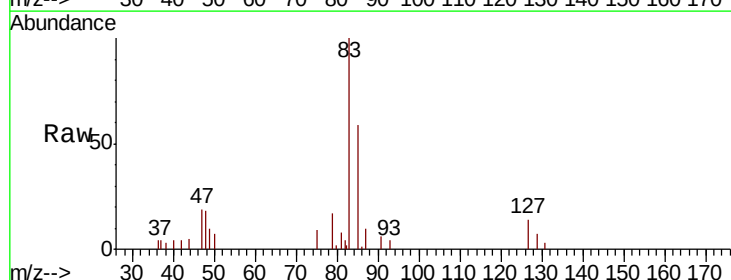
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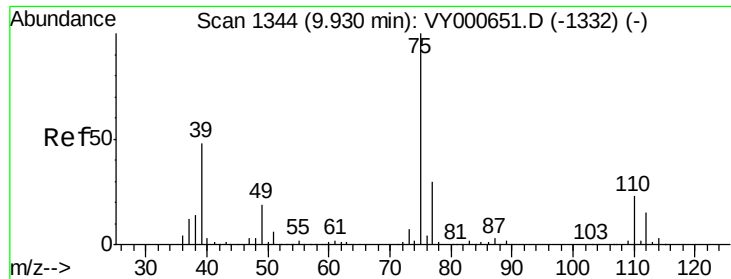
MMDadoda
 11/15/2019 3:07:10 PM



#41
 Bromodichloromethane
 Concen: 1.073 ug/L
 RT: 9.50 min Scan# 1274
 Delta R.T. 0.00 min
 Lab File: VY000657.D
 Acq: 12 Nov 2019 15:40

Tgt Ion: 83 Resp: 7455
 Ion Ratio Lower Upper
 83 100
 85 58.9 46.1 85.5
 127 14.0 6.5 9.7#





#42

cis-1,3-Dichloropropene

Concen: 1.132 ug/L

RT: 9.93 min Scan# 1344

Delta R.T. 0.00 min

Lab File: VY000657.D

Acq: 12 Nov 2019 15:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

Tot Ion: 75 Resp: 9846

Ion Ratio Lower Upper

75 100

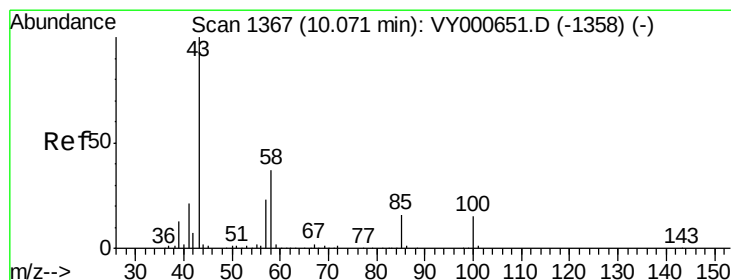
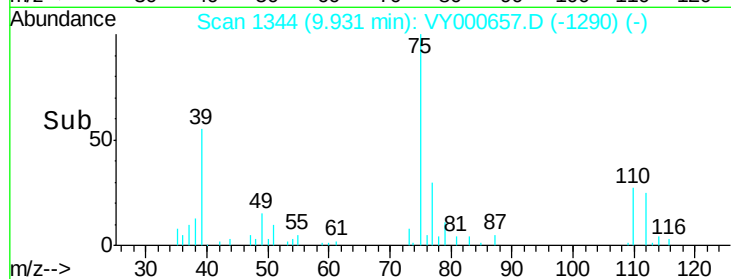
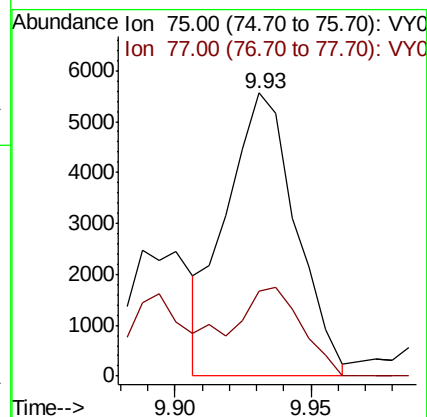
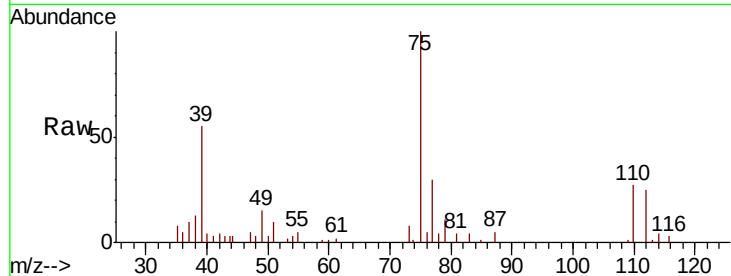
77 29.9 21.7 40.3

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#43

4-Methyl-2-pentanone

Concen: 2.481 ug/L

RT: 10.07 min Scan# 1367

Delta R.T. 0.00 min

Lab File: VY000657.D

Acq: 12 Nov 2019 15:40

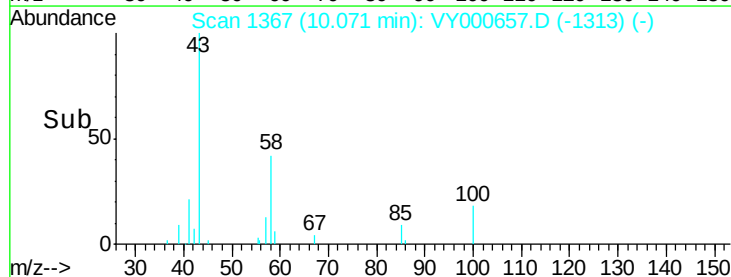
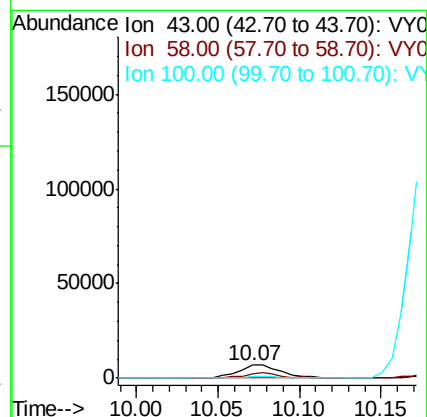
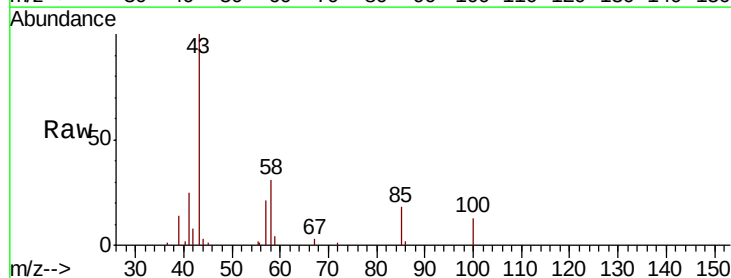
Tgt Ion: 43 Resp: 12811

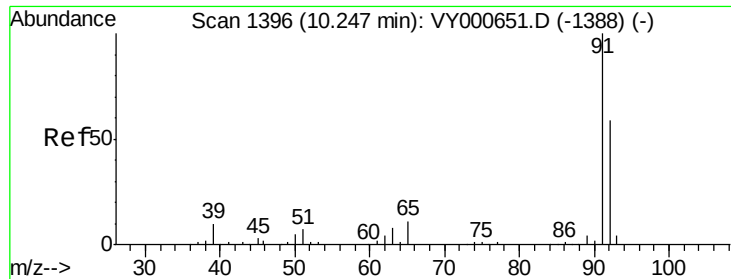
Ion Ratio Lower Upper

43 100

58 34.3 30.6 45.8

100 13.9 12.0 18.0





#44

Toluene

Concen: 1.137 ug/L

RT: 10.25 min Scan# 1396

Delta R.T. 0.00 min

Lab File: VY000657.D

Acq: 12 Nov 2019 15:40

Instrument :

MSVOA_Y

ClientSampled :

MDL05

Tot Ion: 91 Resp: 26189

Ion Ratio Lower Upper

91 100

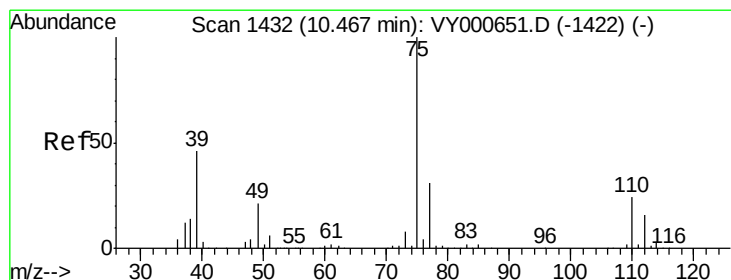
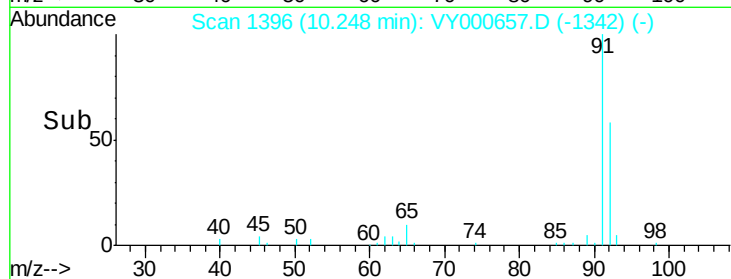
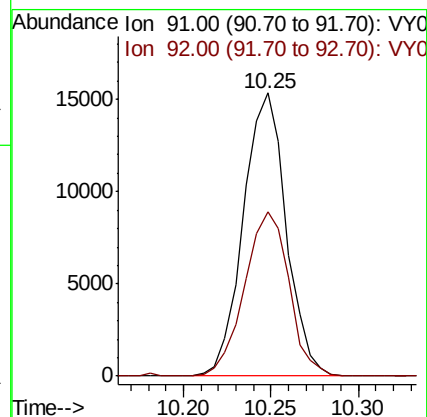
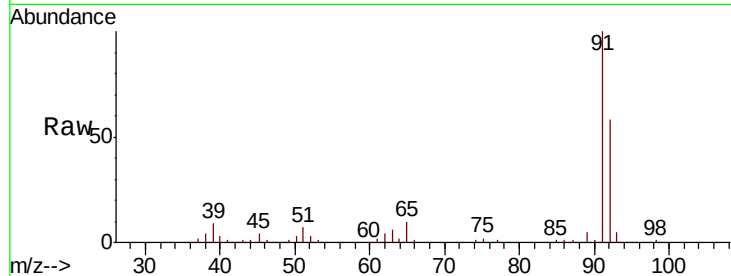
92 58.2 39.5 73.4

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#45

trans-1,3-Dichloropropene

Concen: 1.086 ug/L m

RT: 10.47 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VY000657.D

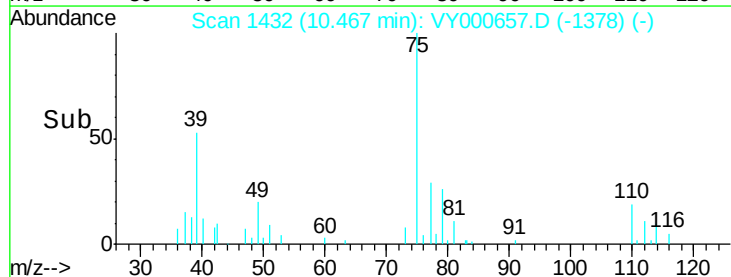
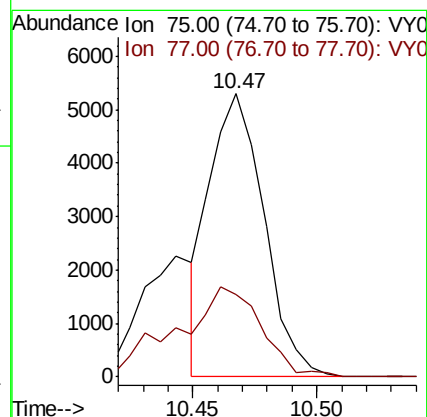
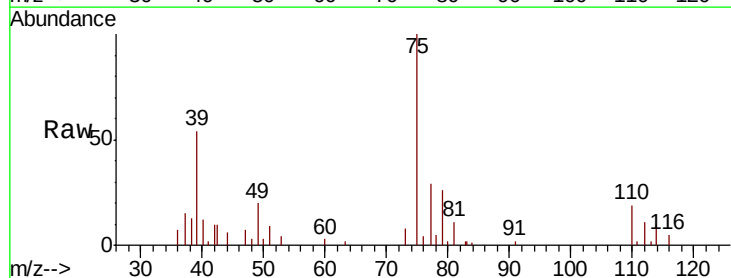
Acq: 12 Nov 2019 15:40

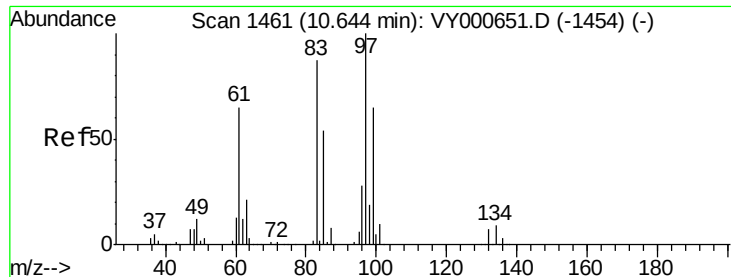
Tgt Ion: 75 Resp: 8119

Ion Ratio Lower Upper

75 100

77 28.9 20.4 37.8





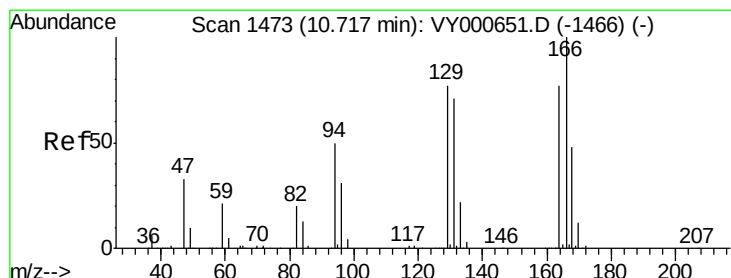
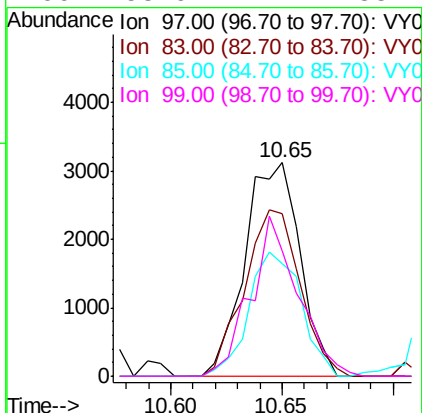
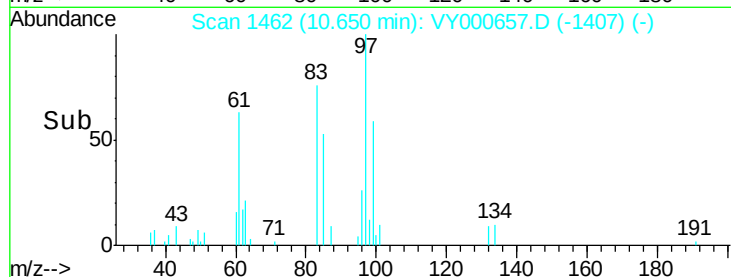
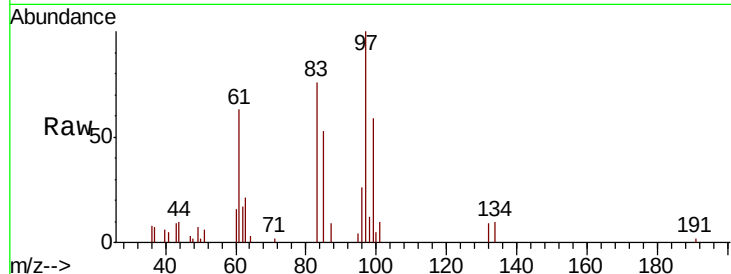
#46
 1,1,2-Trichloroethane
 Concen: 1.211 ug/L
 RT: 10.65 min Scan# 1462
 Delta R.T. 0.01 min
 Lab File: VY000657.D
 Acq: 12 Nov 2019 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Tot Ion:	97	Resp:	5364
Ion	Ratio	Lower	Upper
97	100		
83	76.2	58.7	109.1
85	53.0	37.3	69.3
99	58.9	44.7	83.1

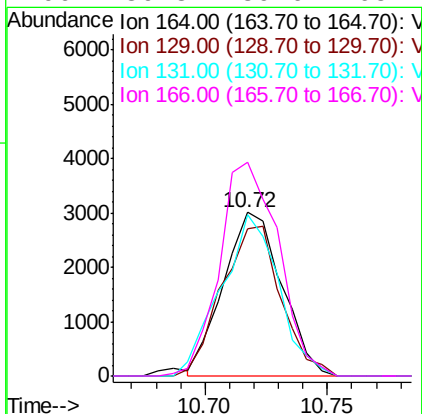
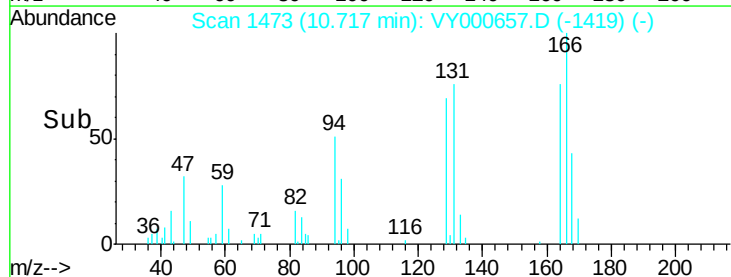
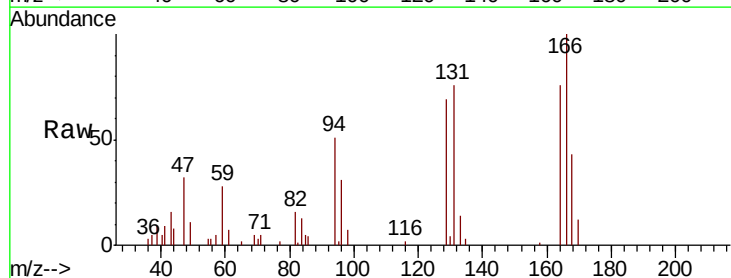
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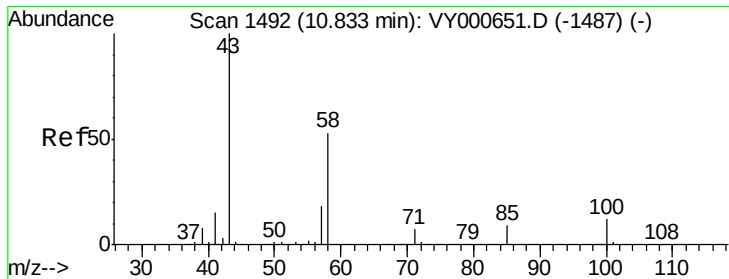
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#47
 Tetrachloroethene
 Concen: 1.203 ug/L
 RT: 10.72 min Scan# 1473
 Delta R.T. 0.00 min
 Lab File: VY000657.D
 Acq: 12 Nov 2019 15:40

Tgt Ion:	164	Resp:	5018
Ion	Ratio	Lower	Upper
164	100		
129	90.4	69.6	129.2
131	98.9	66.8	124.2
166	130.8	89.0	165.2





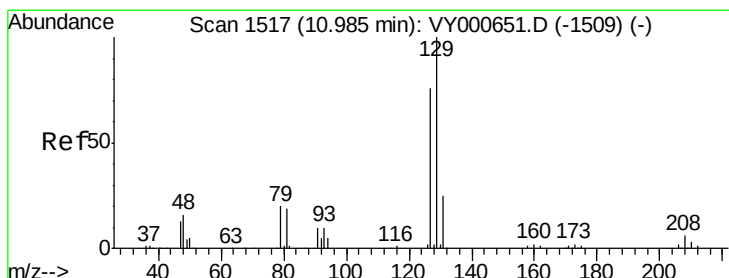
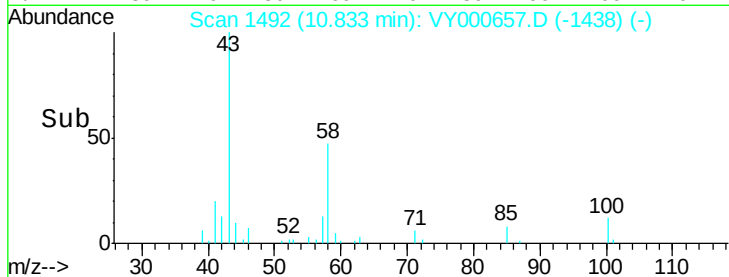
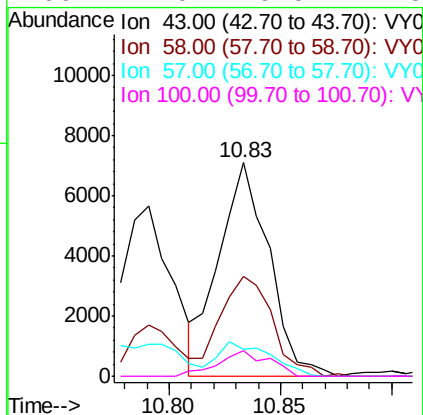
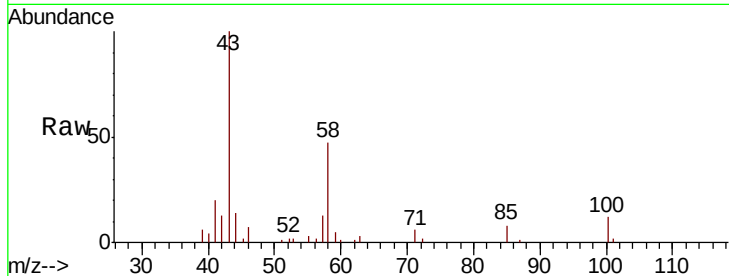
#49
2-Hexanone
Concen: 2.763 ug/L
RT: 10.83 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VY000657.D
Acq: 12 Nov 2019 15:40

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
58	49.0	44.1	66.1	
57	16.6	13.9	20.9	
100	12.0	9.5	14.3	

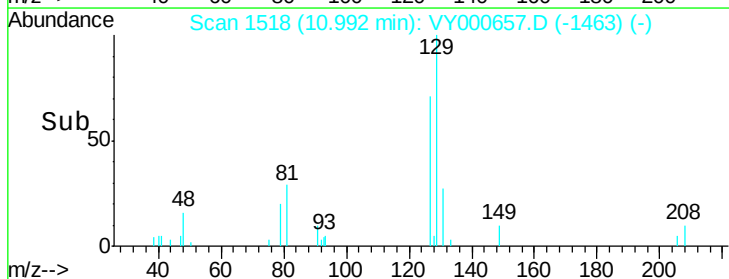
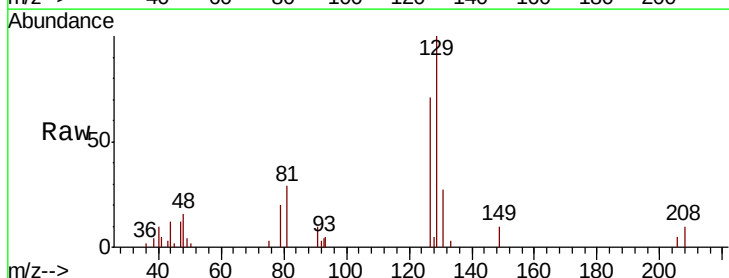
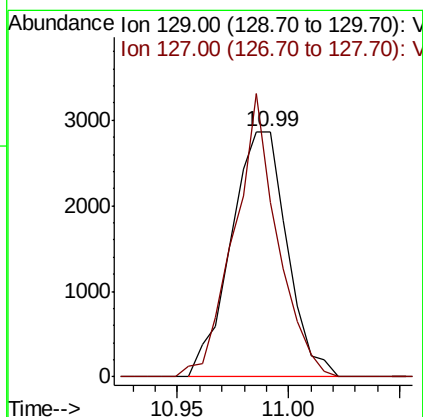
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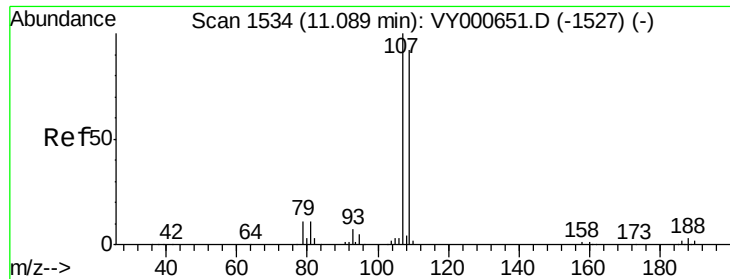
MMDadoda
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#50
Dibromochloromethane
Concen: 1.005 ug/L
RT: 10.99 min Scan# 1518
Delta R.T. 0.01 min
Lab File: VY000657.D
Acq: 12 Nov 2019 15:40

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	71.2	57.9	107.5	





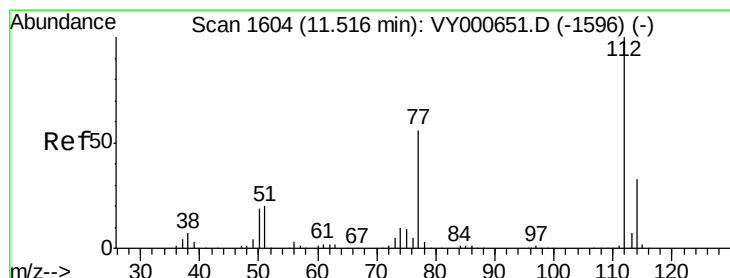
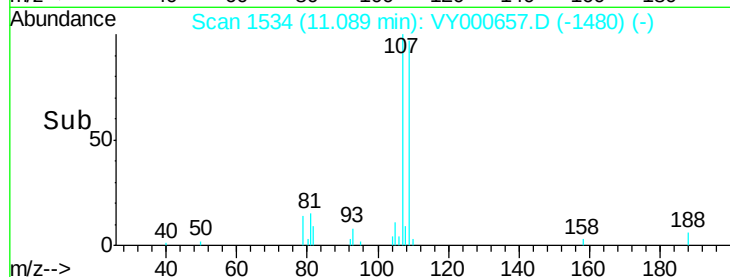
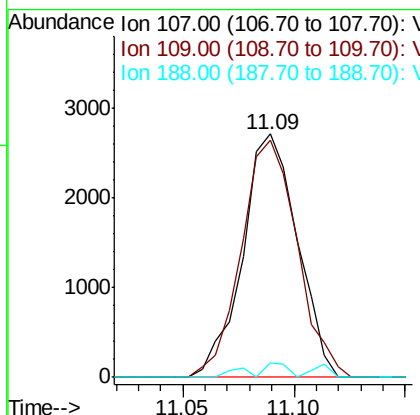
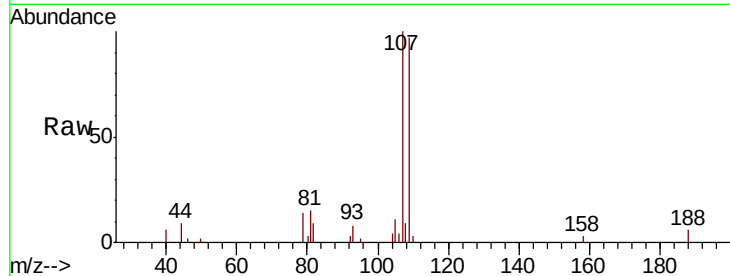
#51
 1,2-Dibromoethane
 Concen: 1.079 ug/L
 RT: 11.09 min Scan# 1534
 Delta R.T. 0.00 min
 Lab File: VY000657.D
 Acq: 12 Nov 2019 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
107	100		
109	97.4	65.5	121.6
188	5.8	2.7	4.1#

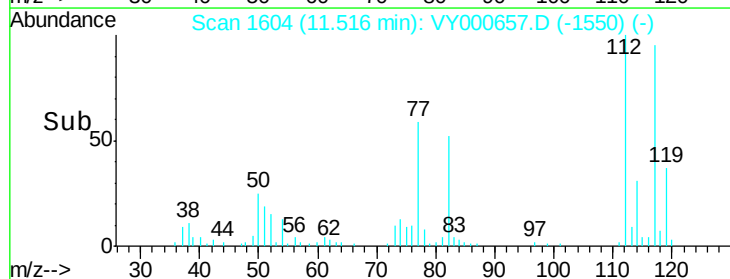
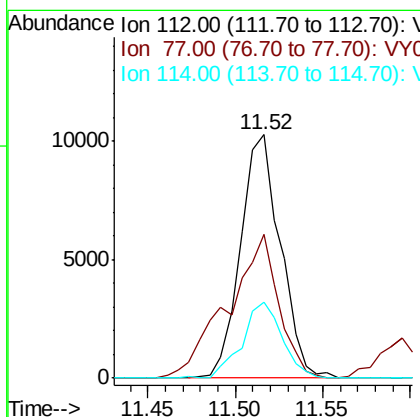
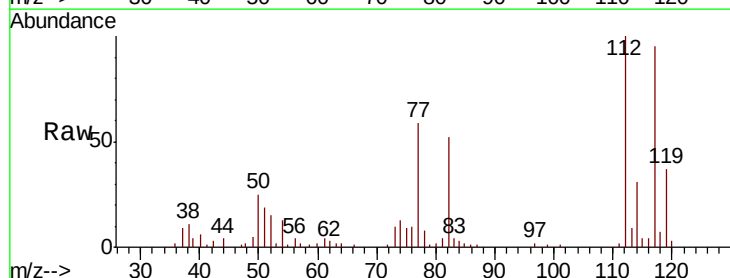
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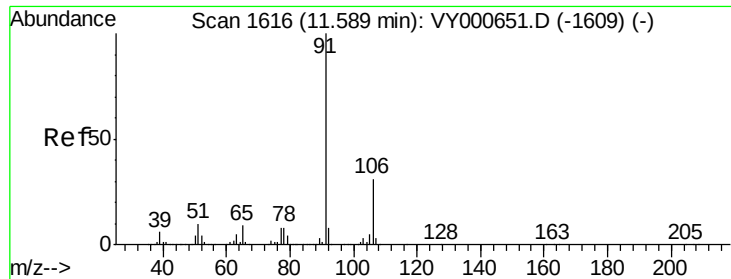
MMDadoda
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#52
 Chlorobenzene
 Concen: 1.114 ug/L
 RT: 11.52 min Scan# 1604
 Delta R.T. 0.00 min
 Lab File: VY000657.D
 Acq: 12 Nov 2019 15:40

Tgt Ion	Ratio	Lower	Upper
112	100		
77	59.1	47.4	71.0
114	31.2	23.0	42.6





#53

Ethylbenzene

Concen: 1.075 ug/L

RT: 11.59 min Scan# 1616

Delta R.T. 0.00 min

Lab File: VY000657.D

Acq: 12 Nov 2019 15:40

Instrument :

MSVOA_Y

ClientSampleId :

MDL05

Tot Ion: 91 Resp: 28023

Ion Ratio Lower Upper

91 100

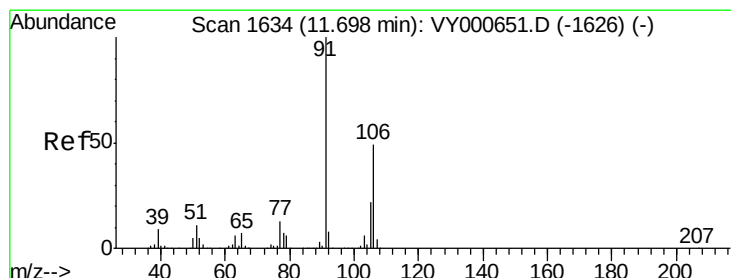
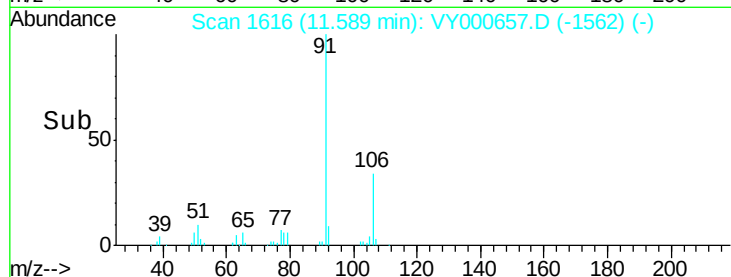
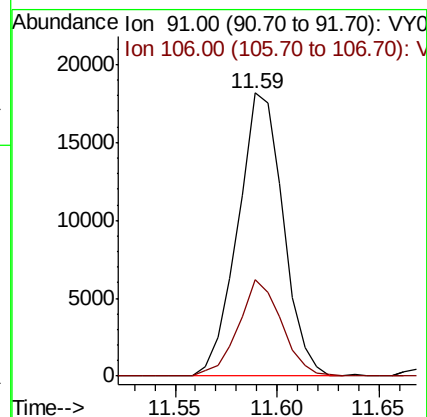
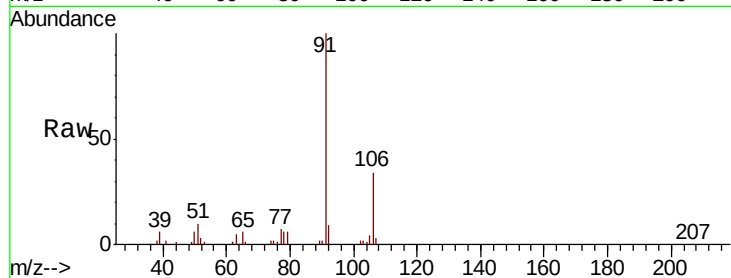
106 33.9 20.9 38.7

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#54

m,p-Xylene

Concen: 1.085 ug/L

RT: 11.70 min Scan# 1634

Delta R.T. 0.00 min

Lab File: VY000657.D

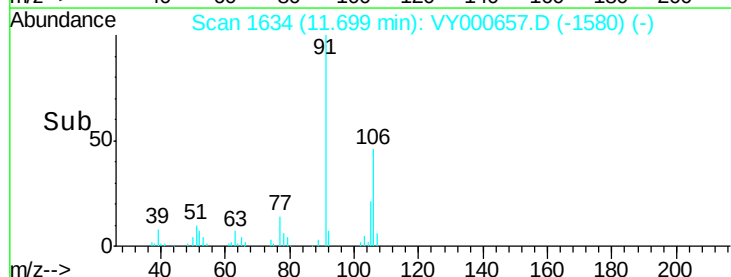
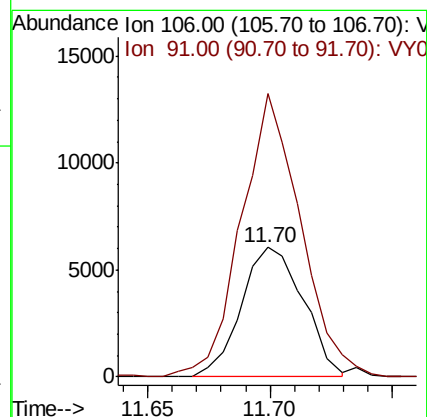
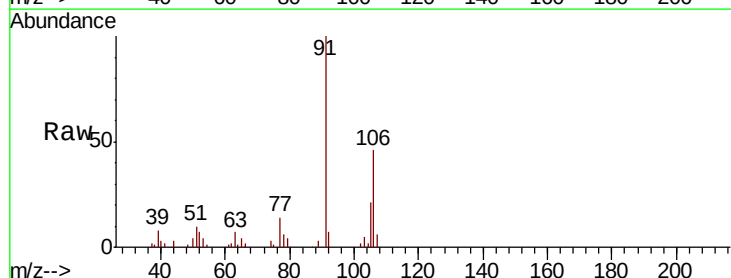
Acq: 12 Nov 2019 15:40

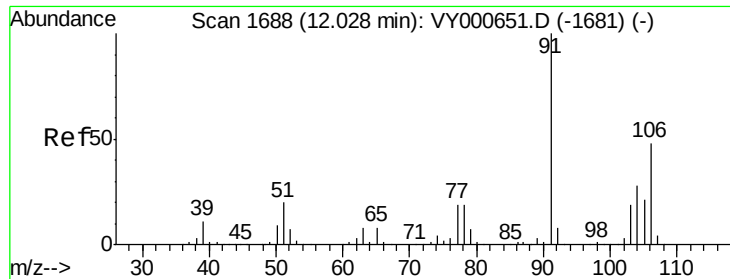
Tgt Ion: 106 Resp: 10698

Ion Ratio Lower Upper

106 100

91 218.7 137.4 255.2





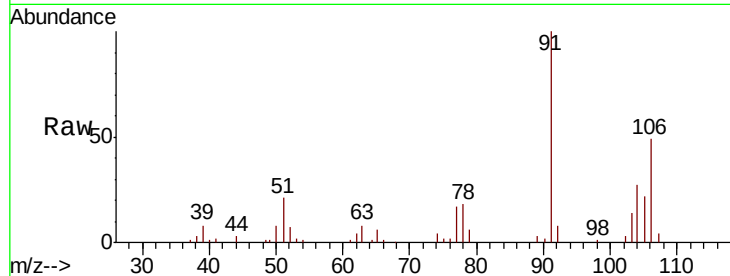
#55
o-xylene
Concen: 1.128 ug/L
RT: 12.03 min Scan# 1688
Delta R.T. 0.00 min
Lab File: VY000657.D
Acq: 12 Nov 2019 15:40

Instrument :
MSVOA_Y
ClientSampleId :
MDL05

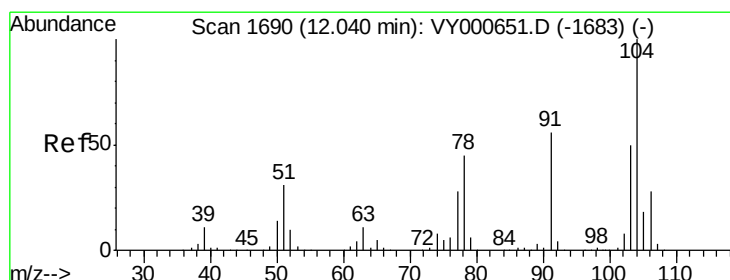
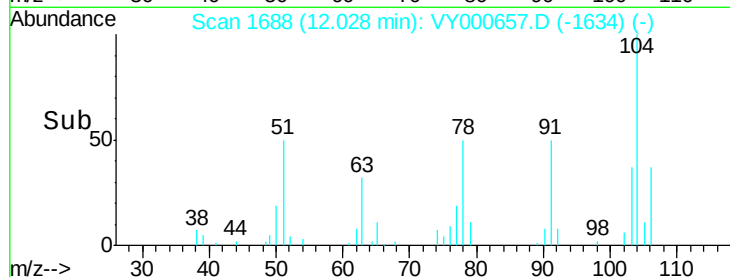
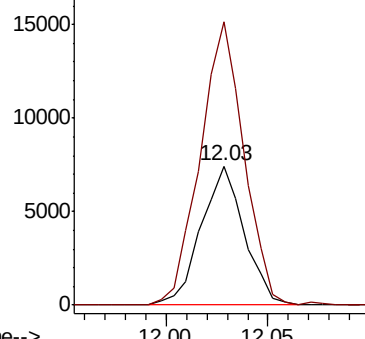
Tot Ion:106 Resp: 10914
Ion Ratio Lower Upper
106 100
91 203.2 147.8 274.6

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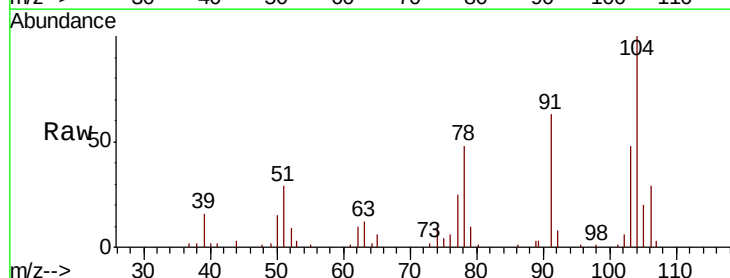


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

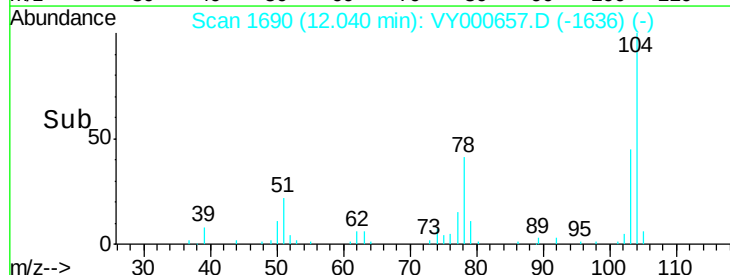
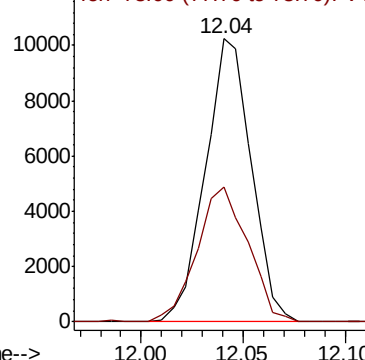


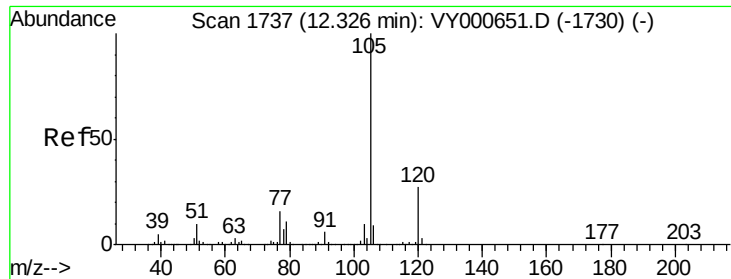
#56
Styrene
Concen: 0.997 ug/L
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY000657.D
Acq: 12 Nov 2019 15:40

Tgt Ion:104 Resp: 16031
Ion Ratio Lower Upper
104 100
78 47.5 31.5 58.5



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0





#57

Isopropylbenzene

Concen: 1.024 ug/L

RT: 12.33 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VY000657.D

Acq: 12 Nov 2019 15:40

Instrument :

MSVOA_Y

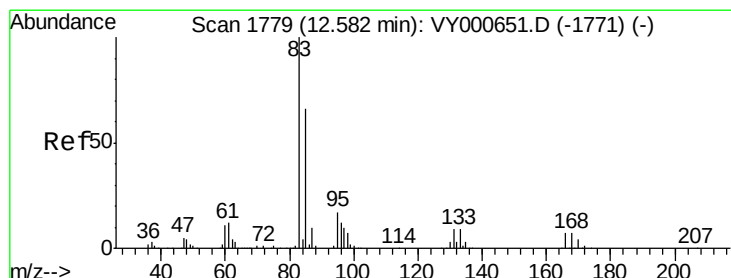
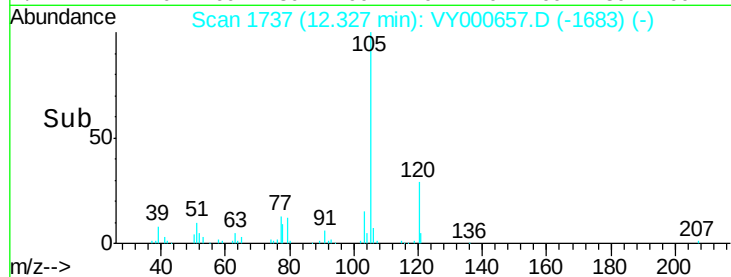
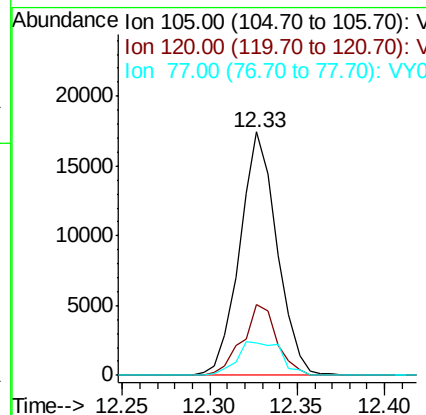
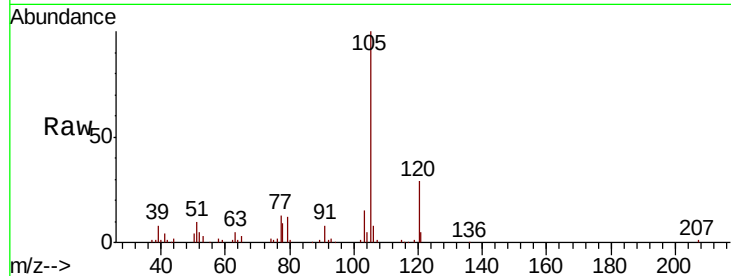
ClientSampleId :

MDL05

Tot Ion:	105	Resp:	25778
Ion Ratio	Lower	Upper	
105	100		
120	27.0	21.5	32.3
77	12.1	12.6	19.0#

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#58

1,1,2,2-Tetrachloroethane

Concen: 1.248 ug/L

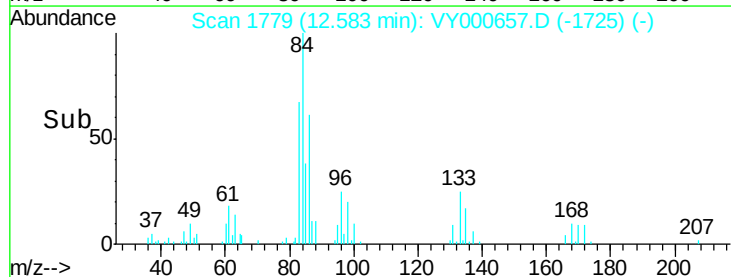
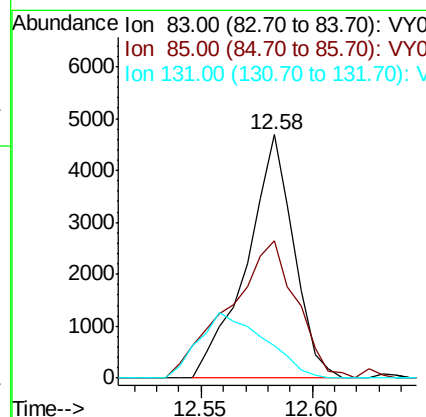
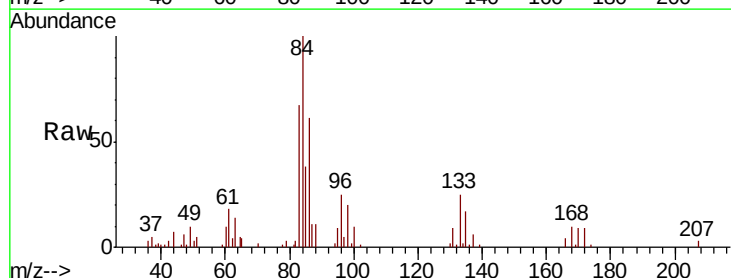
RT: 12.58 min Scan# 1779

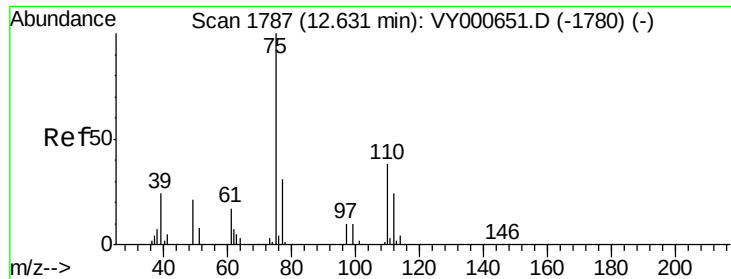
Delta R.T. 0.00 min

Lab File: VY000657.D

Acq: 12 Nov 2019 15:40

Tgt Ion:	83	Resp:	6898
Ion Ratio	Lower	Upper	
83	100		
85	56.3	45.0	83.6
131	13.6	7.8	11.6#





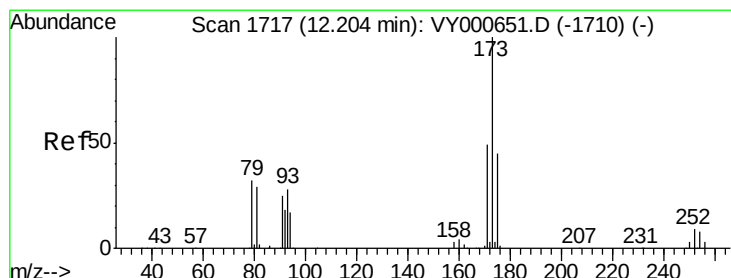
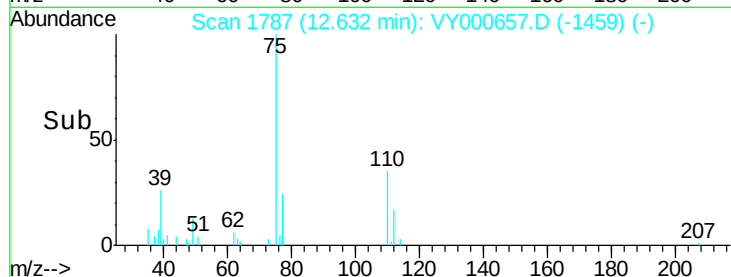
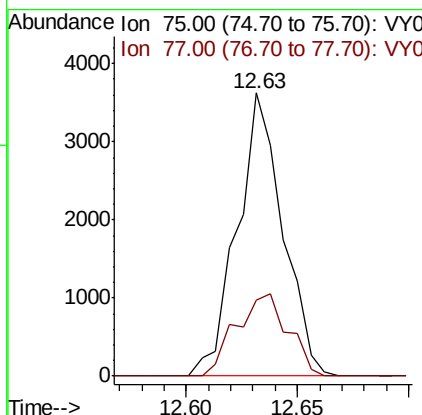
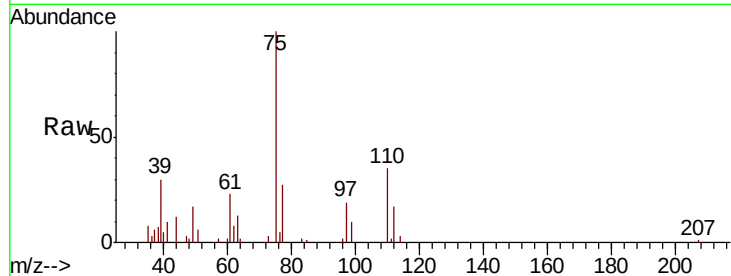
#59
 1,2,3-Trichloropropane
 Concen: 1.152 ug/L
 RT: 12.63 min Scan# 1787
 Delta R.T. 0.00 min
 Lab File: VY000657.D
 Acq: 12 Nov 2019 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Tot Ion: 75 Resp: 5176
 Ion Ratio Lower Upper
 75 100
 77 33.0 26.4 39.6

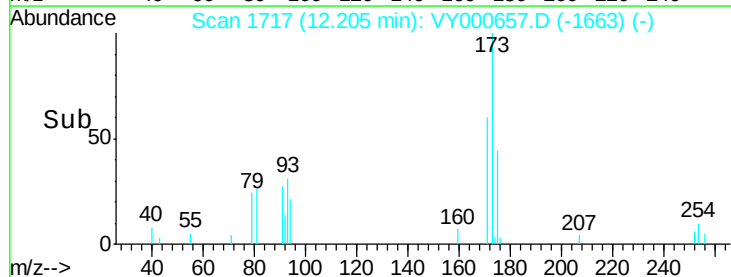
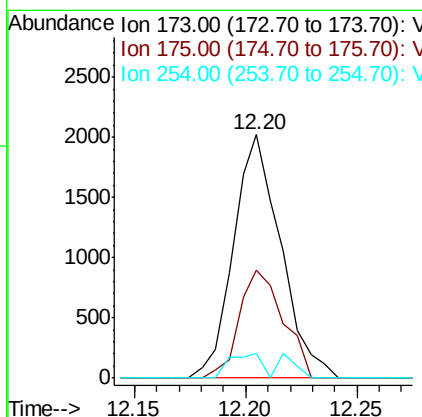
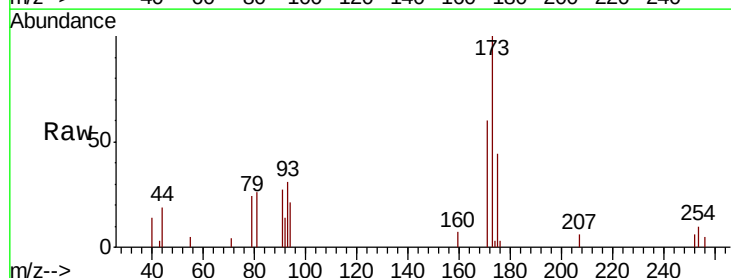
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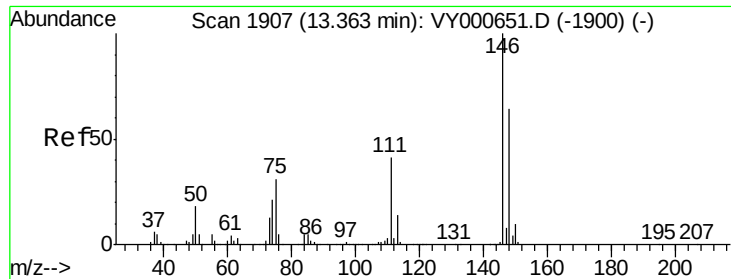
MMDadoda
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#62
 Bromoform
 Concen: 1.020 ug/L
 RT: 12.20 min Scan# 1717
 Delta R.T. 0.00 min
 Lab File: VY000657.D
 Acq: 12 Nov 2019 15:40

Tgt Ion: 173 Resp: 2981
 Ion Ratio Lower Upper
 173 100
 175 41.3 37.8 56.6
 254 6.7 7.7 11.5#





#63

1,3-Dichlorobenzene

Concen: 1.066 ug/L

RT: 13.36 min Scan# 1907

Delta R.T. 0.00 min

Lab File: VY000657.D

Acq: 12 Nov 2019 15:40

Instrument :

MSVOA_Y

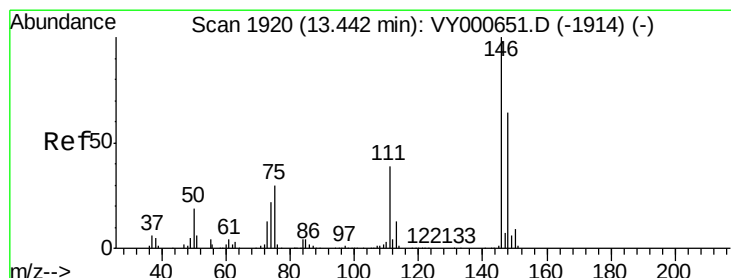
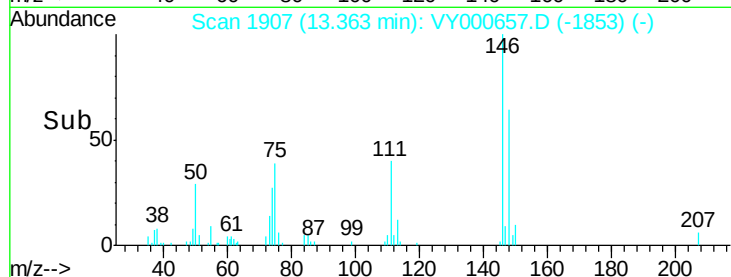
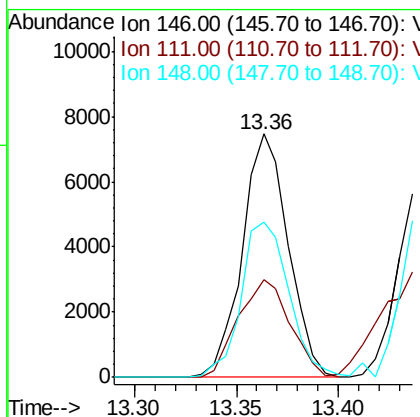
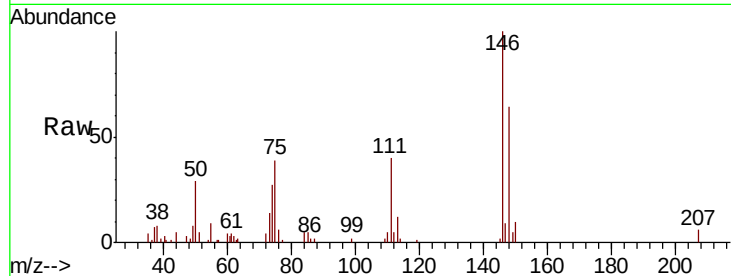
ClientSampled :

MDL05

Tot Ion:	146	Resp:	11702
Ion Ratio	Lower	Upper	
146	100		
111	40.0	28.8	53.6
148	63.7	44.3	82.3

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#64

1,4-Dichlorobenzene

Concen: 1.169 ug/L

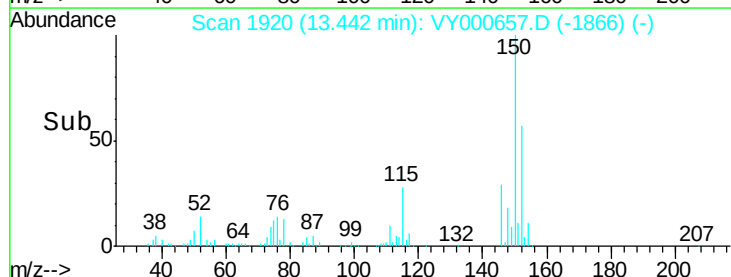
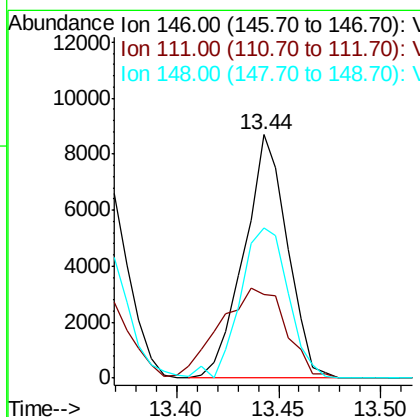
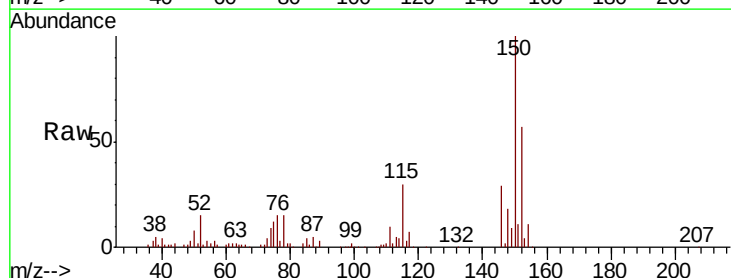
RT: 13.44 min Scan# 1920

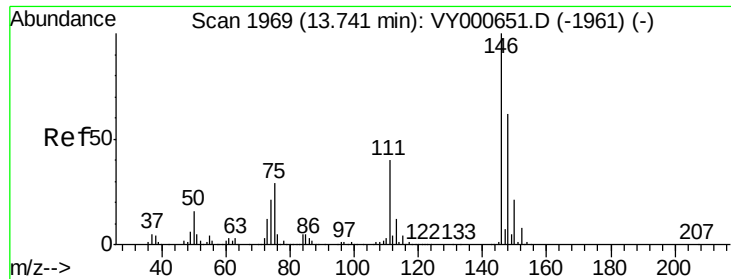
Delta R.T. 0.00 min

Lab File: VY000657.D

Acq: 12 Nov 2019 15:40

Tgt Ion:	146	Resp:	12830
Ion Ratio	Lower	Upper	
146	100		
111	34.2	26.7	49.5
148	61.6	45.2	84.0





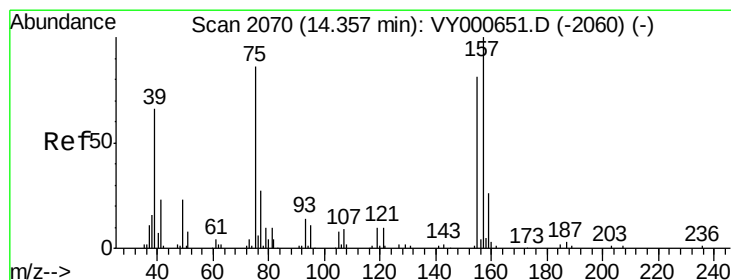
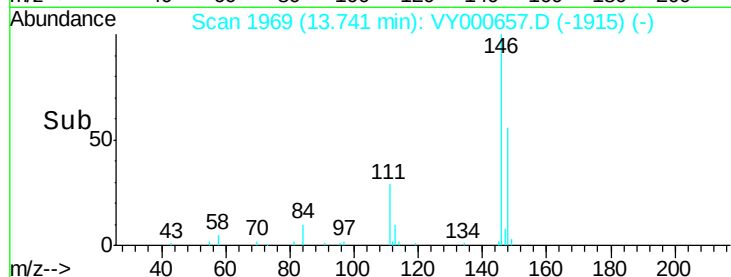
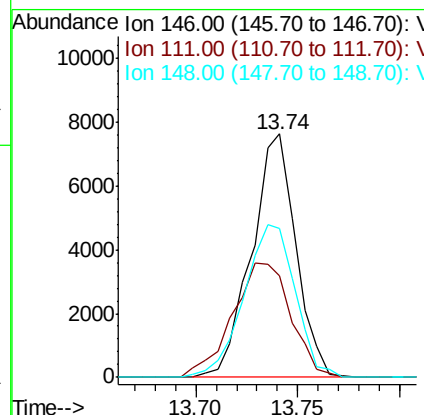
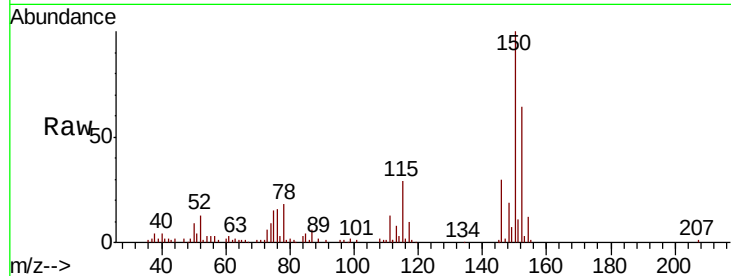
#65
 1,2-Dichlorobenzene
 Concen: 1.139 ug/L
 RT: 13.74 min Scan# 1969
 Delta R.T. 0.00 min
 Lab File: VY000657.D
 Acq: 12 Nov 2019 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	33.8	50.8
148	61.2	51.0	76.6

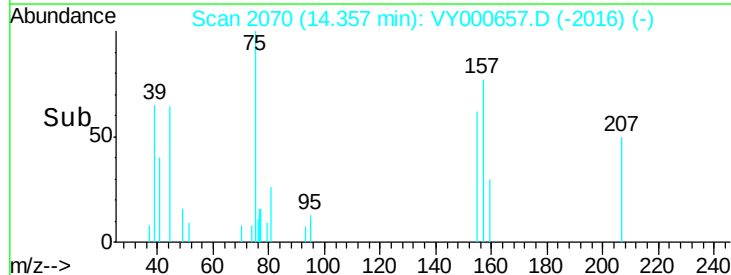
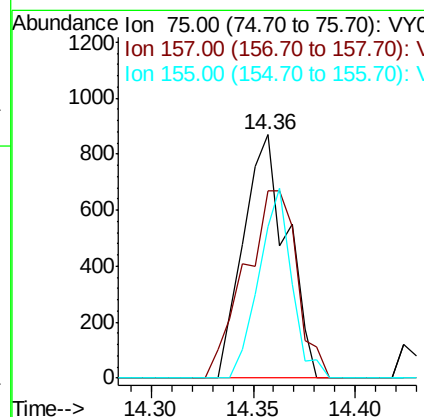
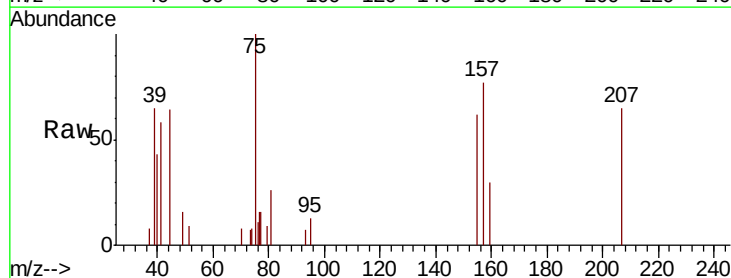
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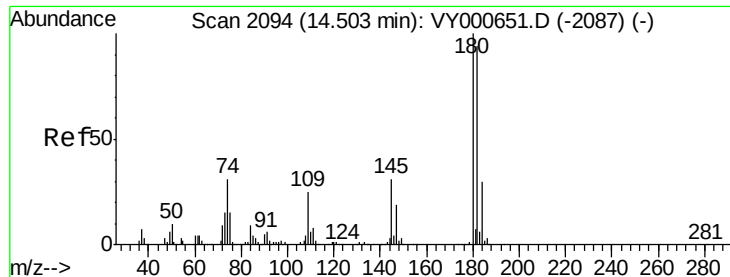
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#66
 1,2-Dibromo-3-chloropropane
 Concen: 1.334 ug/L
 RT: 14.36 min Scan# 2070
 Delta R.T. 0.00 min
 Lab File: VY000657.D
 Acq: 12 Nov 2019 15:40

Tgt Ion	Ratio	Lower	Upper
75	100		
157	76.9	78.1	117.1#
155	62.4	64.2	96.4#





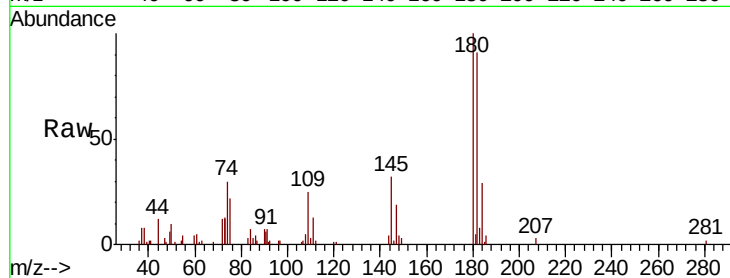
#67
 1,3,5-Trichlorobenzene
 Concen: 1.194 ug/L
 RT: 14.50 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VY000657.D
 Acq: 12 Nov 2019 15:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 MDL05

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.1	75.6	113.4
184	28.5	24.5	36.7
145	29.0	25.1	37.7

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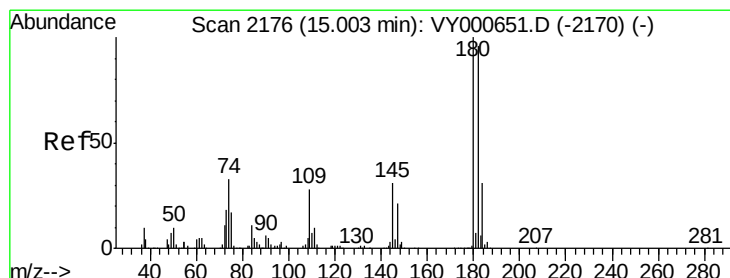
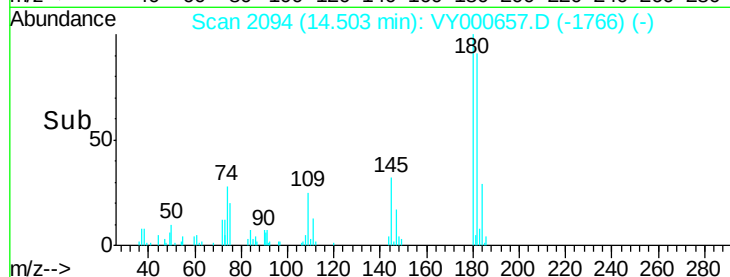
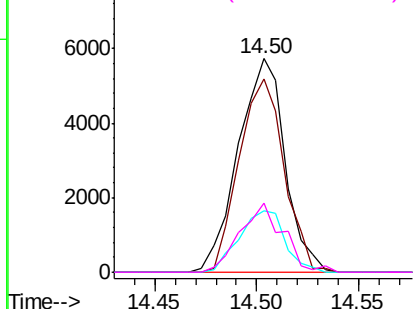
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

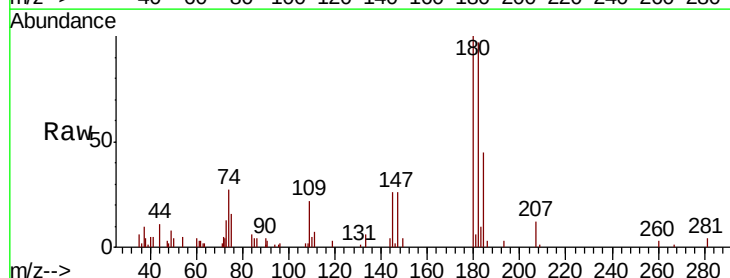
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 1.099 ug/L
 RT: 15.01 min Scan# 2177
 Delta R.T. 0.01 min
 Lab File: VY000657.D
 Acq: 12 Nov 2019 15:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	103.3	77.5	116.3
145	32.9	25.4	38.2

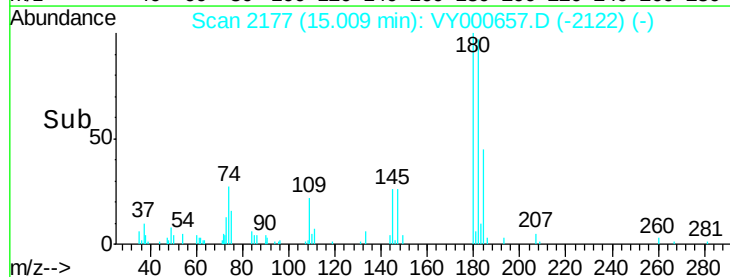
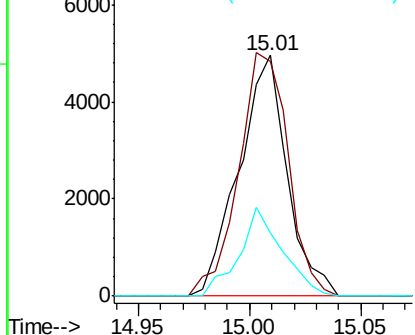


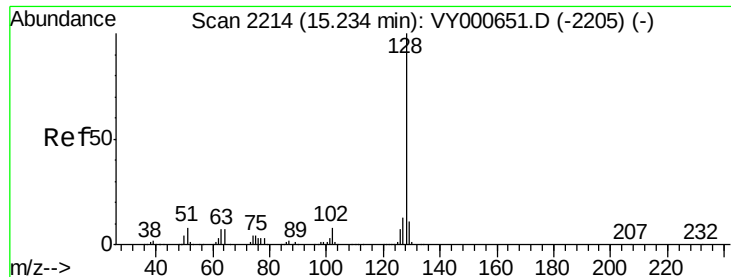
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





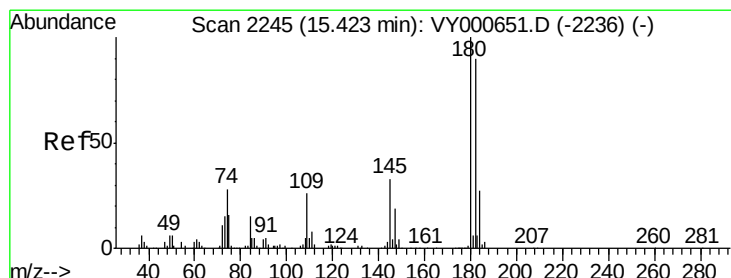
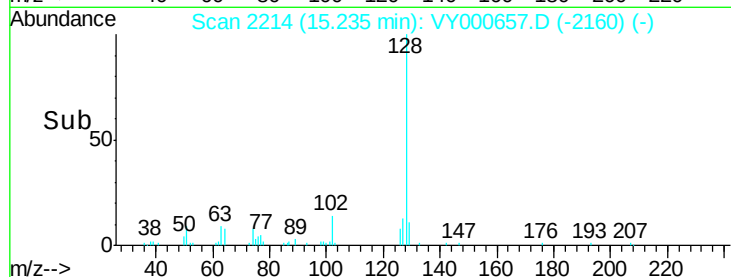
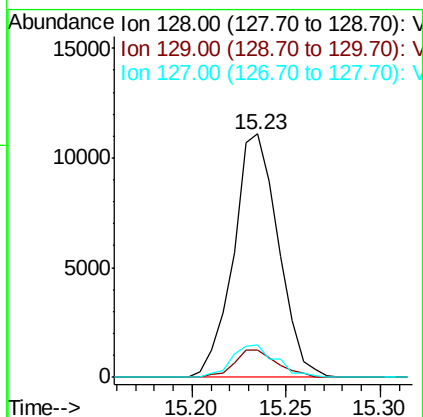
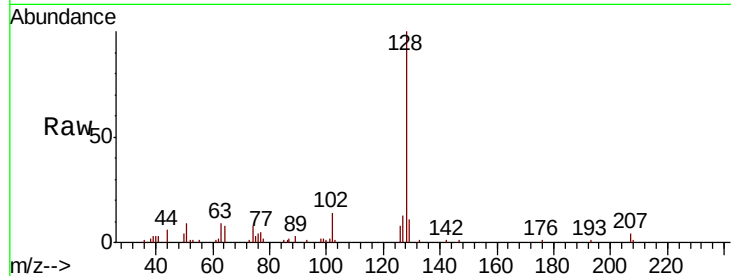
#69
Naphthalene
Concen: 1.076 ug/L
RT: 15.23 min Scan# 2214
Delta R.T. 0.00 min
Lab File: VY000657.D
Acq: 12 Nov 2019 15:40

Instrument :
MSVOA_Y
ClientSampled :
MDL05

Tot Ion	Ratio	Lower	Upper
128	100		
129	10.9	8.4	12.6
127	13.1	9.8	14.6

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#70
1,2,3-Trichlorobenzene
Concen: 1.146 ug/L
RT: 15.42 min Scan# 2244
Delta R.T. -0.01 min
Lab File: VY000657.D
Acq: 12 Nov 2019 15:40

Tgt Ion	Ratio	Lower	Upper
180	100		
182	93.7	76.2	114.4
145	31.1	26.6	39.8

